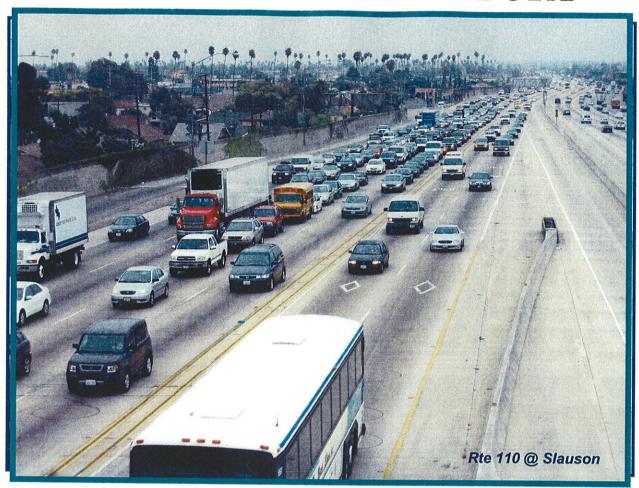
2004 HOV ANNUAL REPORT



High Occupancy Vehicles California Department of Transportation

District 7 Los Angeles and Ventura County

"Building an effective Traffic Management System to move more people, increase mobility, and provide trip reliability in the Southern California region".





EXECUTIVE SUMMARY

The following is a summary of HOV operations for District 7 in the year 2004:

- ♦ By the end of 2004, Los Angeles County had **440 lane miles** of HOV facilities, or approximately 35% of the total 1236 HOV lane miles in the State of California. The Southern California region of 5 counties (Los Angeles, Ventura, Orange, San Bernardino, and Riverside) reported a total of 792 lane miles of HOV, excluding the Route 91 Toll Road in Orange County, which is 40 HOV lane miles.
- On average, each HOV facility in Los Angeles County carried 1500 vehicles per hour or 3500 people per hour, during peak hours. These volumes well exceed the minimum expected volume of 800 vehicles per hour or 1800 people per hour, as specified in the HOV Guidelines for Planning, Design, and Operations.
- On average, the person-trip volume of an HOV lane was two (2) times greater than that of a mixed-flow lane during peak hours. (i.e., two (2) regular lanes are needed to carry an equal number of people in the HOV lane.)
- ♦ The average violation rate was 2.2%, which is substantially lower than the preferable rate of below 10%, as specified in the HOV Guidelines for Planning, Design, and Operations.
- Since 1992, the total number of carpools on freeways with HOV lanes has increased steadily, whereas on freeways without HOV lanes, the total number of carpools has remained relatively constant or decreased. From 1992 to 2004, the data indicates an increase of 76% in the total number of carpools on freeways with HOV lanes for the morning peak 2-hour period. Significant increases in carpools were also observed in the afternoon peak 2-hour period. (For details, see tables and charts titled Number of Carpools on Freeways.)
- On average, the peak hour volume was 12%, and the peak 2-hour volume was 23% of the daily HOV traffic volume, excluding the El Monte Busway data, which has the 3+ occupancy requirement during peak hours.
- On average, HOV facilities operated at a level of service C during peak hours, while most of the mixed-flow lanes were operating at a level of service E-F during peak hours.
- ◆ The HOV facilities in Los Angeles County carried approximately 316,000 vehicles or 717,000 people per day during 2004.
- On average, HOV lane users saved approximately one minute per mile, compared to mixed-flow traffic during peak hours.
- On average, HOV facilities carried over 30% of the entire freeway's people in just 25% of the freeway's space (1 out of 4 lanes), while the adjacent mixed-flow lanes each carried under 20% of the entire freeway's people in the same 25% space.

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ACKNOWLEDGEMENTS

The Annual High Occupancy Vehicle (HOV) Operation Report is prepared by the Office of Freeway Operations, HOV Branch in District 7. The information in this report encompasses all HOV lanes in Los Angeles and Ventura Counties.

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INTRODUCTION

Caltrans, District 7 (Los Angeles/Ventura County) is home to the nation's most extensive High Occupancy Vehicle lane program, which will be adding carpool lanes to virtually every freeway in the Los Angeles area.

The HOV program is the backbone of a multi-modal transportation system. In providing an HOV system, Caltrans is providing the network necessary for the higher level mass transit systems in the future. The HOV system is also the least expensive method or alternative to accommodate economic growth and development.

The 4 billion HOV program is designed to quickly increase mobility in the region. HOV lanes are seen as the next logical step in improving freeway efficiency to accommodate future increases in population and traffic.

The central concept of the HOV program is to move more people instead of cars. We cannot build our way out of future growth and congestion, by simply adding more and more lanes. When HOV lanes were introduced in Los Angeles County, the HOV system was designed to:

- a. Increase the person-movement capacity of the freeway
- b. Be cost-effective, by reducing commute costs
- c. Provide rideshare incentives, such as saving time and trip reliability.

The results of these goals improve air quality, conserve energy, increase mobility and efficiency of all trips, and reduce congestion. Even if you are not able to rideshare, adding HOV lanes will help your solo commute, by reducing congestion on all freeway lanes.

The Interstate 10 HOV lane, also known as the El Monte Busway, was a pioneering experiment in determining the value of the HOV lanes. The easterly section opened in January of 1973, and the westerly section joined the system in May of 1974. Originally designed for buses only, carpools with three or more people were allowed a few years later. The Route 10 El Monte Busway lane now carries as many people as three regular traffic lanes during peak hours.

The current District 7 HOV program has an important distinction from the "Diamond Lane" experiment of the 1970s: no traffic lanes are being taken away. Rather, the new HOV lanes are being added to the existing freeways, mostly through re-striping and using part of the freeway median, or outside widening.

When complete, Los Angeles County (District 7) will have more than 300 centerline miles (or over 600 lane miles) of HOV facilities in place. The HOV projects are being designed and constructed using local Proposition C funds, and federal and state funds. The funds are being programmed and administered by the Los Angeles County Metropolitan Transportation Authority.

INTRODUCTION

The minimum number of persons required in a vehicle is two to use HOV lanes, with the exception of the Route 10 El Monte Busway which requires a minimum of three persons during peak hours, and Route 91 Toll Road in Orange County, which requires a minimum of three persons at all times. Motorcycles and certain clean air vehicles with a Department of Motor Vehicles' decal, even those carrying just one person, are allowed to use the HOV lanes, by federal law.

All HOV facilities in Southern California are operated on a 24 hour basis except on State Route 14. Beginning January 1, 2001, an 18 month part-time demonstration project was conducted which allowed solo drivers to use the HOV lanes during non-peak hours. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time.

It has been concluded that a significant growth in carpools occurred only on freeways that added HOV lanes, with the number of carpools remaining relatively constant or decreasing for those freeways without HOV lanes. Getting a solo driver out of his car is the biggest challenge, but Caltrans believes that the formation of a simple 2+ carpool is the first step toward higher levels of mass transit, which is the future goal of transportation. The reduction of drive alone is a complicated subject since new drivers join the freeway everyday and route diversion may account for some of the new carpools, instead of carpool growth. However, freeways in Los Angeles which have added HOV lanes, have shown a significant increase in the number of 2+ vehicles, with some HOV lanes carrying as much as 1800 vehicles in the peak hour. On average, for the year 2004, HOV lane users saved approximately 1 minute per mile, compared to mixed flow traffic during the peak hour.

GENERAL INFORMATION

- **♦ FREEWAYS AND HIGHWAYS IN SOUTHERN CALIFORNIA**
- **HOV RAMP METERING AND HOV BYPASS LANES**
- **♦ PARK AND RIDE LOTS**
- **+ HOV VIOLATION FINES**

FREEWAYS & HIGHWAYS IN SOUTHERN CALIFORNIA

ROUTE LAVEN 01	PACIFIC COAST HWY	ROUTE LA 90	IMPERIAL HWY
LA 02	GLENDALE FWY		MARINA FWY
	SANTA MONICA BLVD	LA 91	ARTESIA FWY RIVERSIDE FWY
LA 05	GOLDEN STATE FWY SANTA ANA FWY		GARDENA FWY
LA 10	SANTA MONICA FWY SAN BERNARDINO FWY	LAVEN 101	LA - HOLLYWOOD FWY VEN - VENTURA FWY
LA 14	ANTELOPE VALLEY FWY	LA 103	TERMINAL ISLAND FWY
LA 18	PALMDALE RD	LA 105	CENTURY FWY
LA 19	ROSEMEAD BLVD	LA 107	HAWTHORNE AVE
LA 22	GARDEN GROVE FWY	LA 110	HARBOR FWY PASADENA FWY
LAVEN 23	LA - WESTLAKE BLVD VEN - MOORPARK FWY	LAVEN 118	RONALD REAGAN FWY
LA 27	TOPANGA CANYON BLVD	LAVEN 126	VEN - SANTA PAULA FWY/TELEGRAPH RD LA - MAGIC MOUNTAIN PKWY
VEN 33	OJAI FWY / MARICOPA HWY		LA - KOREAN WAR VETERANS MEM HWY
VEN 34	SOMIS-LEWIS RD	LA 133	LAGUNA CANYON RD
LA 39	ORA - BEACH BLVD	LA 134	VENTURA FWY
	L.A AZUSA AVE	LA 138	PEARBLOSSOM HWY
LA 42	MANCHESTER BLVD	LA 142	CARBON CANYON RD
LA 47	VINCENT THOMAS BRIDGE	VEN 150	OJAI SANTA PAULA RD CASSITAS PASS RD
LA 49	LANCASTER RD AVENUE D	LA 164	ROSEMEAD BLVD
LA 55	COSTA MESA FWY NEWPORT BLVD	LA 170	HOLLYWOOD FWY
LA 57	ORANGE FWY	LA 187	VENICE BLVD
LA 60	POMONA FWY	LA 210	FOOTHILL FWY
LA 66	FOOTHILL BLVD	LA 213	WESTERN AVE
LA 71	CORONA EXPRESSWAY	VEN 232	VINEYARD AVE
LA 72	WHITTIER BLVD	LA 405	SAN DIEGO FWY
LA 73	73 FWY	LA 605	SAN GABRIEL RIVER FWY
LA 74	ORTEGA HWY	LA 710	LONG BEACH FWY

HOV RAMP METERING AND HOV BYPASS LANES

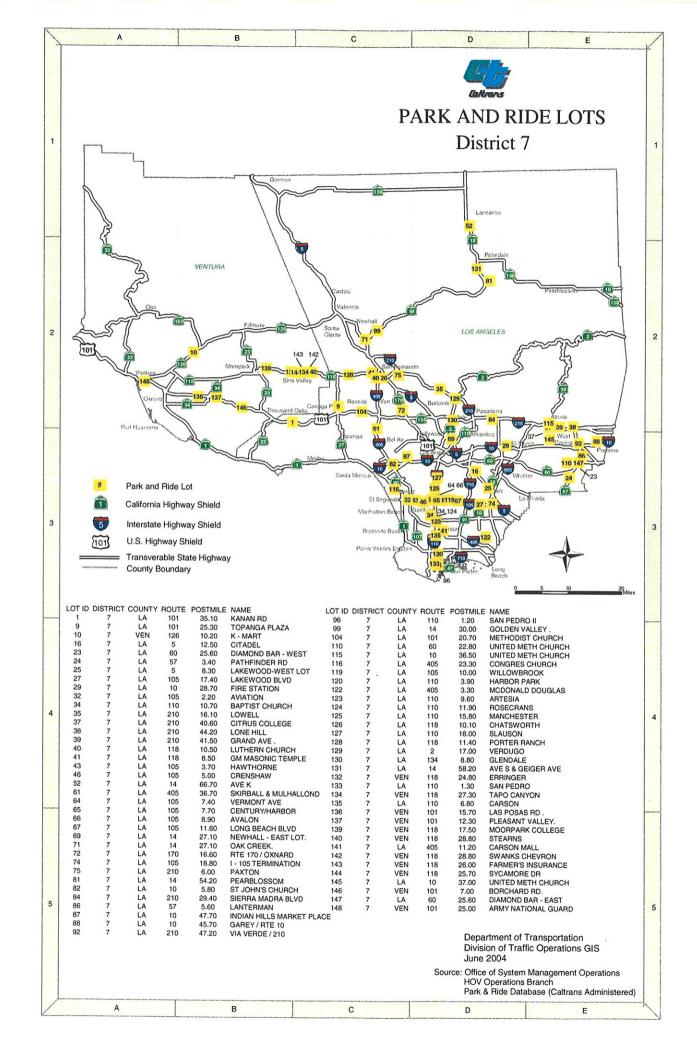
There are 871 on-ramps and 19 freeway-to-freeway connectors that are metered in Los Angeles and Ventura Counties; of which, 360 have separate HOV bypass lanes, where the HOVs do not have to stop at the ramp meter signal. Ramp metering is one of the traffic management tools to regulate the flow of traffic entering the freeways during the peak traffic hours. Ramp metering will:

- a. Smooth the overall flow of freeway traffic
- b. Accommodate more vehicles per hour on the freeway
- c. Decrease commuting travel times
- d. Increase safety on the freeway

Ramp metering is an integral part of the Traffic Operations Program Strategic Plan which outlines the program's commitment to focus first on implementing operational strategies to reduce congestion and increase safety on California's state highway system. Ramp metering increases the capacity of the mixed flow lane and enables traffic to flow at greater speeds. Freeway congestion is most often caused by a bottleneck, where the freeway demand exceeds the freeway capacity. This condition usually occurs during the weekday peak hours, but some freeways experience congestion during the mid-day and some on weekends. When the demand exceeds the capacity, congestion creates queues of stop-and-go traffic, and ramp metering limits the amount of traffic entering the freeway so that the demand at the bottleneck does not exceed the capacity. A free-flowing traffic lane can carry 33% more cars than a congested lane.

On weekdays, most ramp meters operate 4 to 8 hours during peak traffic periods. Some ramps are metered all day, including weekends. The rate at which cars are allowed onto the freeway is determined by the ramp volume, as well as the volume on the freeway. The mainline responsive controllers react to the volumes on the freeway, such that if the volumes decrease significantly, then the meter will adjust and allow more cars onto the freeway. If the freeway volumes are very light, the meter may go to continuous green.

Projects within freeway segments identified in the Ramp Meter Development Plan should include provisions for ramp metering. However, there are ramp locations that are not metered, due to the heavy volume of traffic and/or insufficient storage area for the metered vehicles.



HOV VIOLATION FINES

The Judicial Council of California sets the fines and maintains the Uniform Bail and Penalty Schedule (UBPS) for traffic violations. In that schedule the fine is \$340 for violation of Section 21655.5(b) of the Vehicle Code.

The minimum fine is comprised of:

- (a) Section 1464 of the Penal Code setting \$220 plus a \$20 surcharge and
- (b) Section 42001.11 of the Vehicle Code setting a \$100 minimum to \$150 maximum for first offense, \$150 min to 200 max for second offense within 1 year, and \$250 to \$500 for third offense within 2 years.
- (c) The additional \$1 assessment is under Section 42006 of the Vehicle Code for counties that have night court.

In addition, counties can assess an additional \$10 for administration, at the discretion of the county's board of supervisors, under Section 40508.6 of the Vehicle Code. Also, Section 1463.28 of the Penal Code provides for 30 counties to exceed fines scheduled in the UBPS.

- \$341 Minimum fine for first offense.
- \$491 Minimum fine for second offense within one year.
- \$741 Minimum fine for third offense within two years.

SUMMARY OF HOV FACILITIES

- **SUMMARY OF HOV OPERATIONS**
- **STATUS OF HOV PROJECTS**
- **+ CURRENT HOV VOLUMES**
- **◆ TRAVEL TIME DATA (HOV Lane Time Savings)**
- ◆ TOTAL NUMBER OF CARPOOLS ON FREEWAYS (Comparison of Freeways with HOV Lanes vs. Freeways without HOV lanes)
- + CHANGES IN 2003 2004
- **♦ HOV PROJECTS SCHEDULED FOR COMPLETION IN 2005 2006**

SUMMARY OF HOV OPERATIONS

The following is a summary of HOV operations for District 7 in the year 2004:

- By the end of 2004, Los Angeles County had 440 lane miles of HOV facilities, or approximately 35% of the total 1236 HOV lane miles in the State of California. The Southern California region of 5 counties (Los Angeles, Ventura, Orange, San Bernardino, and Riverside) reported a total of 792 lane miles of HOV, excluding the Route 91 Toll Road in Orange County, which is 40 HOV lane miles.
- On average, each HOV facility in Los Angeles County carried 1500 vehicles per hour or 3500 people per hour, during peak hours. These volumes well exceed the minimum expected volume of 800 vehicles per hour or 1800 people per hour, as specified in the HOV Guidelines for Planning, Design, and Operations.
- On average, the person-trip volume of an HOV lane was two (2) times greater than that
 of a mixed-flow lane during peak hours. (i.e., two (2) regular lanes are needed to carry
 an equal number of people in the HOV lane.)
- The average violation rate was 2.2%, which is substantially lower than the preferable rate of below 10%, as specified in the HOV Guidelines for Planning, Design, and Operations.
- Since 1992, the total number of carpools on freeways with HOV lanes has increased steadily, whereas on freeways without HOV lanes, the total number of carpools has remained relatively constant or decreased. From 1992 to 2004, the data indicates an increase of 76% in the total number of carpools on freeways with HOV lanes for the morning peak 2-hour period. Significant increases in carpools were also observed in the afternoon peak 2-hour period. (For details, see tables and charts titled *Number of Carpools on Freeways*.)
- On average, the peak hour volume was 12%, and the peak 2-hour volume was 23% of the daily HOV traffic volume, excluding the El Monte Busway data, which has the 3+ occupancy requirement during peak hours.
- On average, HOV facilities operated at a level of service C during peak hours, while most of the mixed-flow lanes were operating at a level of service E-F during peak hours.
- ◆ The HOV facilities in Los Angeles County carried approximately 316,000 vehicles or 717,000 people per day during 2004.
- On average, HOV lane users saved approximately one minute per mile, compared to mixed-flow traffic during peak hours.
- On average, HOV facilities carried over 30% of the entire freeway's people in just 25% of the freeway's space (1 out of 4 lanes), while the adjacent mixed-flow lanes each carried under 20% of the entire freeway's people in the same 25% space.

STATUS OF HOV PROJECTS

ROUTE	E.A.	COST			FREEWAY N	MILES	
	 	\$ (MIL)	IN SERVICE	IN CONST.	IN DESIGN		OPENING DATE
LA-10 17.0/28.0 Alameda to El Monte		58.00	11.00				1973
LA-91 6.4/16.7 Rte 110 to Rte 605 E/B		00.00					06/10/85
LA-91 6.4/16.7 Rte 110 to Rte 605 W/B	115864	1.80	10.30				03/11/93
LA-405 13.0/20.7 Rte 110 to 120th St.	106734	8.30	7.70				04/08/93
LA-405 SB 0.0/2.2 Bellflower to Rte 605	005854	4.80					10/2/93(6/97)
LA-105 2.2/18.2 Rte 405 to Rte 605	000004	230.00	16.00				10/14/93
LA-210 25.0/43.5 Rte 134 to Sunflower Ave.	129104	8.90	18.50				12/16/93
LA-405 20.2/22.2 120th St. to Century Blvd.	105 CC0		2.00				01/94
LA-91 16.7/20.7 Rte 605 to Co. line (S)	115834	0.90	4.00				11/94
LA-134 0.0/5.1 Rte 101/170 to Rte 5	120284	6.60	5.10				10/02/95
LA-170 14.5/20.6 Rte 101/134 to Rte 5	120274	7.30	6.10				02/11/96
LA-134 5.5/9.7 Rte 5 to Rte 2	107734	5.00	4.20				03/12/96
LA-134 5.5/9.7 Kte 5 to Kte 2 LA-210 HOV Ramps at Fair Oaks	019594	4.00	0.40				05/30/96
LA-210 HOV Ramps at Fair Oaks LA-110 9.8/20.5 Rte 91 to Adams Blvd.(Elev)	019594	344.00	10.70				6/26/96(7/97)
LA-134 9.7/13.3 Rte 2 to Rte 210	118504	7.80	3.60				08/30/96
LA-405 38.5/48.6 Rte 101 to Rte 5	120334	15.10	10.10 STAGE 1		1	1	10/22/96
LA-10 28.0/31.1 Baldwin to Rte 605 (S)	008061	6.60			1	ļ	Median Barrier
LA-10 31.1/33.5 Rte 605 to Puente (S)	005881		STAGE 1		1	ļ	Median Barrier
LA-118 0.0/11.4 Ven Co Line to Rte 5 (S)	115054	23.20	11.40				03/0/7/97
LA-605 3.8/10.8 South. St. to Telgrph Rd.	119394	14.10	7.00				04/02/97
LA-57 0.0/4.5 Co line to Rte 60	115034	18.20	4.50				08/22/97
LA-30 0.0/2.3 Sunflower to Fthill Blvd.	119981	7.00	2.30				09/08/97
LA-405 0.0/7.6 Ora Co line to Rte 710 (S)	116874	29.70	7.60				02/12/98
LA-605 10.8/20.7 Telgrph Rd to Rte 10	119944	17.30	9.90				04/03/98
LA-14 27.0/33.4 SF Rd. to Sand Cny (S)	116204	23.80	6.40				05/05/98
LA-405 7.6/13.7 Rte 710 to Rte 110	115174	28.20	6.10				10/08/98
LA-60 23.0/25.4 Brea Cny to Rte 57 N	119234	5.50	2.40				02/02/99
LA-60 25.4/30.5 57 N to Co. line	115044	20.80	5.10				02/02/99
LA-14 33.4/43.3 Sand Cny to Escondido (S)	125604	31.80	9.90				09/23/99
LA-605 0.0/3.8 Ora. Co. Line to South St.	1347U4	12.40	3.80				03/01
LA-405 31.9/39.7 S/B Only Waterford to Rte 101	1667U4	15.30	7.80				01/08/02
LA-14 43.3/54.5 Escondido to Pearlblsm	117104	27.50	11.20				07/29/02
LA-14 24.8/27.1 Rte 5 to S.F. Road	119844	5.40	2.30				08/03/02
LA-210 2.3/8.3 Foothill Bl. to SBD Co. Line	105014	91.00	6.00				11/24/02
LA-10 42.4/48.3 Rte 57 to SBD Co. Line	122404	77.20	5.90				11/13//03
LA-10 28.0/31.2 Baldwin to Rte 605	1069U4	51.70	3.20				02/04/05
LA-405 21.3/26.4 Century to Rte 90	1198U3	33.50		5.10			11/06
LA-14 54.5R/60.7R Pearlblsm to Ave P-8	125203	32.30		6.20			03/07
LA-60 22.4R/25.0R (57/60 Direct Connector)	1257U3	56.10	L	2.60		ļ	07/07
LA-405 25.9/29.5 Rte 90 to Rte 10	1178U3	126.60		3.60			06/08
LA-5 39.4/45.6 Rte 118 to Rte 14	122003	13.20		6.20			11/09
LA-60 11.7/18.0 Rte 605 to Azusa Ave	1294U1	57.00			6.30		10/08
LA-60 18.0/23.0R Azusa Ave to Brea Cyn Rd	129421	15.00			5.00		10/08
LA-71 0.5/4.5 Express-Freeway Conversion	210601	147.80			4.00		07/09
LA-5 44.3R/45.9R (5/14 Direct Connector)	168001	56.60			1.60		09/09
LA-5 36.4/39.4 Rte 170 to Rte 118	121901	150.50			3.00		06/10
LA-5 26.7/36.4 Rte 134 to Rte 170	121801	154.20			9.70		07/10
LA-10 31.2/33.4 Rte 605 to Puente Ave.	117071	127.80			2.20		03/11
LA-10 33.4/37.5 Puente Ave to Citrus St	117080	92.50				4.10	12/13
LA-10 37.5/42.4 Citrus St to Rte 57	119340	103.70				4.90	12/13
LA-405 29.5/39.5 Rte 10 to Rte 101	120300	640.90				10.00	05/16
LA-5 0.0/14.6 Ora Co. Line to Rte 710 (Ultimate)	2159A0	570.00				14.60	06/16
LA-5 22.6/27.1 Rte 2 to Rte 134	12120K	136.00	Non-Programn	ned		4.50	03/09 (RTL)
LA-5 18.4/22.4 Rte 10 to Rte 2	12160K	158.00	Non-Programn	ned		4.00	03/09 (RTL)
LA-10 5.5/14.8 Rte 405 to Rte 110	12340K	155.00				9.30	06/16 (RTL)
LA-710 26.5/32.7R Rte 10 to Rte 210	02009K					6.20	
COLOR MAP SUBTOTAL - INTEGRATED PLAI	N	4035.90	222.50	23.70	31.80	57.60	335.60
S = Stip Project State money involved	AL 101 D	<u> </u>		1 . 1	RTL = Ready T		Rev Date 11/09/05

S = Stip Project, State money involved

No 'S' = Prop C, Federal money involved

RTL = Ready To List

Rev Date 11/09/05

CURRENT HOV VOLUMES ..

HOV LANE CAPACITY IS 1650 VPH

Route	Location	Post Mile	Count Date	2+ Peak Hour Volume	3+ Peak Hr Volume	Dir.	HOV Lane Peak Hour	Peak 2 Hr HOV Volume	Occup. Rqmt.	Peak Period Violation Rate	HOV ADT (vehicles)	Corridor HOV ADT
	Jackson Ave.	25.09	3-23-05	1257***	1100	W/B	6:30-7:30 A.M.	2323	3+ (2+ off peak)	13.52%	12691	
10	tackeon Ava	25.00	70.05	1154	270	[C/D	3:00-4:00 P.M.	1773	37 (37 - 50	%69.0	111146	23837
	sachson Ave.	20.07	C0-41-4	948***	712	0 /2	4:30-5:30 P.M.	6//1	ST (2T Off peak)	25.13%	11840	
14	Golden Valley	29.68	12-1-04	1314	158	S/B	6:30-7:30 A.M.	2027	2+ (1+ off peak)	0.30%	11613	31116
<u>:</u>	Golden Valley	29.68	11-30-04	1334	172	N/B	4:00-5:00 P.M.	2394	2+ (1+ off peak)	0.07%	10502	C1177
5.7	Pathfinder O.C.	3.16	11-17-04	1270	86	S/B	6:30-7:30 A.M.	2279	7+	0.16%	11238	12200
'n	Pathfinder O.C.	3.16	12-8-04	1400	141	N/B	4:00-5:00 P.M.	2656	2+	0.14%	11123	19577
09	Phillips Ranch	28.04	3-1-05	1277	65	[W/B	7:00-8:00 A.M.	2408	2+	0.16%	12789	71700
20	Phillips Ranch	28.04	3-2-05	1195	81	[E/B	4:30-5:30 P.M.	2176	2+	0.08%	8896	//+77
0.1	Wilmington Ave.	9.16	4-12-05	1324	137	W/B	6:30-7:30 A.M.	2470	2+	1.41%	9189	15157
	Wilmington Ave.	9.16	4-13-05	1124	149	E/B	3:45-4:45 P.M.	2065	2+	%60.0	8336	13132
105	Long Beach Blvd.	11.51	3-6-05	1468	228	W/B	7:30-8:30 A.M.	2894	2+	1.48%	16416	27,000
COX	Long Beach Blvd.	11.51	3-8-05	1314	226	E/B	3:45-4:45 P.M.	2620	2+	1.20%	15949	34363
110*	Slauson P.O.C.	17.98	5-25-05	3460	355	N/B	7:00-8:00 A.M.	6433	2+	3.75%	28548	76783
110	Slauson P.O.C.	17.98	5-25-05	2728	323	S/B	4:15-5:15 P.M.	5384	2+	0.04%	29079	17016
118	Reseda Ave.	5.81	10-26-04	1303	116	W/B	7:00-8:00 A.M.	2238	2+	0.00%	3351	0.000
011	Reseda Ave.	5.81	12-1-04	1289	140	E/B	4:15-5:15 P.M.	2349	2+	0.23%	5728	6/06
134	Jackson Ave.	7.41	12-15-04	776	121	W/B	7:15-8:15 A.M.	1421	2+	0.00%	6183	12000
1.71	Jackson Ave.	7.41	12-14-04	866	131	E/B	3:00-4:003 P.M.	1837	2+	%01.0	7705	12000
170	Sherman Way	18.27	12-14-04	983	96	S/B	6:45-7:45 A.M.	1778	7÷	4.28%	5282	1000
2	Sherman Way	18.27	2-1-05	888	80	N/B	3:45-4:45 P.M.	1740	2+	0.11%	4600	7006
	Wilson Ave O.C.	26.57	11-3-04	1153	70	W/B	6:45-7:45 A.M.	2105	2+	1.22%	12214	06276
210	Wilson Ave O.C.	26.57	6-7-05	1472	148	E/B	3:15-4:15 P.M.	2773	7+	0.14%	24106	02505
	Second St. O.C.	39.12	12-9-04	1653	130	W/B	6:30-7:30 A.M.	2863	2+	0.60%	11565	
	Second St. O.C.	39.12	2-23-05	1655	193	E/B	3:45-4:45 P.M.	3223	2+	0.42%	11567	
	Normandie	13.81	3-17-05	1282	142	N/B	7:00-8:00 A.M.	2342	7+	0.08%	13193	35202
405	Normandie	13.81	3-16-05	1244	210	S/B	4:00-5:00 P.M.	2373	2+	0.48%	12200	2,5375
2	Burbank Blvd.	40.28	2-15-05	1153	152	S/B	6:30-7:30 A.M.	2185	7+	0.17%	0116	
	Burbank Blvd.	40.28	2-16-05	1178	140	N/B	4:15-5:15 P.M.	2286	2+	0.51%	9010	NAME AAAA SAAAA AAAAA
505	Beverly Blvd.	14.42	3-29-05	1347	114	S/B	6:30-7:30 A.M.	2473	2+	0.96%	11667	25520
200	Beverly Blvd.	14.41	4-7-05	1883	210	N/B	4:30-5:30 P.M.	3574	2+	0.05%	13863	00007
Average oc-	Average occupancy for a 2+ facility during peak hour is 2.2 and for a 3+ is 3.2 (excluding buses)	ity during p	eak hour is 2.2.	and for a 3+ is	3.2 (excluding	buses).			Tota	Total Vehicles / Day	a y	316026

Average occupancy for a 27 facility during peak nour is 2.2 and for a 3+ is 3.2 (exc. Note: ADT data is not necessarily taken at the same count locations.

* 2 lane HOV facility.

** Volume for Carpools, Vanpools, Motorcycles, and Buses. Excluding Violators.

*** Volume for Carpools, Vanpools, Motorcycles, Buses, and Violators.

Travel Time Data (HOV Lane Time Savings)

ROUTE	LIMITS	LENGTH	PEAK DIRECTION	TRAV Mixed Flow	TRAVEL TIME	HOV LANE TIME SAVINGS
10 / San Bernardino Freeway	Alameda to Route 605	13.8 m i. 14.0 m i.	Westbound (AM) Eastbound (PM)	36 min 54 sec. 44 min 18 sec.	13 min 18 sec. 15 min 59 sec.	23 min 26 sec. * 28 min 19 sec. *
14 / Antelope Valley Freeway	Route 5 to Pearblossom	27.9 mí. 28.5 mí.	Southbound (AM) Northbound (PM)	31 min 07 sec. 29 min 11 sec.	23 min 13 sec. 25 min 07 sec.	07 min 54 sec. **** 04 min 04 sec. ****
57 / Orange Freeway	Route 60 to Orange Co. Line	3.4 mi. 3.6 mi.	Southbound (AM) Northbound (PM)	08 min 57 sec. 17 min 32 sec.	03 min 07 sec. 09 min 46 sec.	05 min 50 sec. 07 min 46 sec.
60 / Pomona Freeway	Brea Canyon to S.B. Co. Line	5.6 mi. 5.9 mi.	Westbound (AM) Eastbound (PM)	10 min 48 sec. 06 min 09 sec.	- 56	04 min 52 sec.
	1 . '	3.2 mi.	Westbound (AM)	min 26	min 15	04 min 11 sec. ****
91 / Artesia Freeway	ure erry /	6.1 m i.	estbound astbound	min 46 min 03	min 51 min 33	min 55 sec. min 30 sec.
105 / Century Freeway	Route 405 to Route 605	15.5 mí,	Westbound (AM)	24 min 39 sec.	04 min 29 sec. 16 min 49 sec	02 min 25 sec.
	ŀ	15.7 mi.	Eastbound (PM)	min	min 44	32
110 / Harbor Freeway	Route 91 to Adams Blvd	9.8 mi. 9.6 mi.	Northbound (AM) Southbound (PM)	30 min 49 sec. 26 min 56 sec.	09 min 22 sec. 09 min 30 sec.	21 min 27 sec. 17 min 26 sec.
118 / Simi Valley Freeway	Route 5 to Ventura Co. Line	11.1 mi. 10.4 mi.	Westbound (AM) Eastbound (PM)	13 min 38 sec. 13 min 22 sec.	11 min 01 sec. 09 min 25 sec.	02 min 37 sec. *** 03 min 57 sec. ***
134 / Ventura Freeway	Route 5 to Route 210	7.7 mi. 8.1 mi.	Westbound (AM) Eastbound (PM)	11 min 32 sec. 09 min 45 sec.	07 min 02 sec. 07 min 12 sec.	m in 30 m in 33
134 / Ventura Freeway	Route 101/170 to Route 5	4.7 m i. 5.1 m i.	Westbound (AM) Eastbound (PM)	06 min 03 sec. 11 min 33 sec.	04 min 26 sec. 04 min 43 sec.	01 min 37 sec. 06 min 50 sec.
170 / Hollywood Freeway	Route 101/134 to Route 5	6.4 mi. 5.8 mi.	Southbound (AM) Northbound (PM)	10 min 10 sec 15 min 39 sec.	05 min 13 sec. 05 min 45 sec.	04 min 57 sec. 09 min 54 sec.
210 / Foothill Freeway	Route 134 to S.B. Co. Line	27.5 mi. 27.3 mi.	Westbound (AM) Eastbound (PM)	61 min 54 sec. 51 min 05 sec.	41 min 09 sec. 39 min 55 sec.	min 45 min 10
405 / San Diego Freeway	Route 5 to Waterford Route 101 to Route 5	15.6 mi. 8.3 mi.	Southbound (AM) Northbound (PM)	47 min 17 sec. 19 min 02 sec.	29 min 08 sec. 14 min 10 sec.	min 09 min 52
405 / San Diego Freeway	Century Blvd to Orange Co. Line	20.8 m i. 21.3 m i.	Northbound (AM) Southbound (PM)	41 min 41 sec. 54 min 03 sec.	min 44 min 56	min
605 / San Gabriel River Freeway	Orange Co. Line to Route 10	20.7 mi. 19.9 mi.	Southbound (AM) Northbound (PM)	36 min 07 sec. 32 min 29 sec.	mín 32 min 33	15 min 35 sec. ** 11 min 56 sec. **

Data collected Tuesday, Wednesday, or Thursday in the peak direction during the week of April 18th, 25th, May 2nd, 9th, 16th, and 23rd, 2005. Travel time runs conducted at 8am and 5pm in the peak direction

Effective 7/24/00, 3 or more persons per vehicle required during peak hours (5-9 a.m.; 4-7 p.m.; Mon - Fri.); In opeartion for less than 3 yrs. (Baldwin to Rte 605; Rte 57 to SBD Co. Line)

In operation for less than 3 yrs. (Route 210...from Foothill Blvd. to SBD Co. Line; Route 405...from Waterford to Rte 101 S/B only; Route 605...from South St. to Ora. Co. Line)

*** This project included the addition of an HOV lane and regular freeway lane.

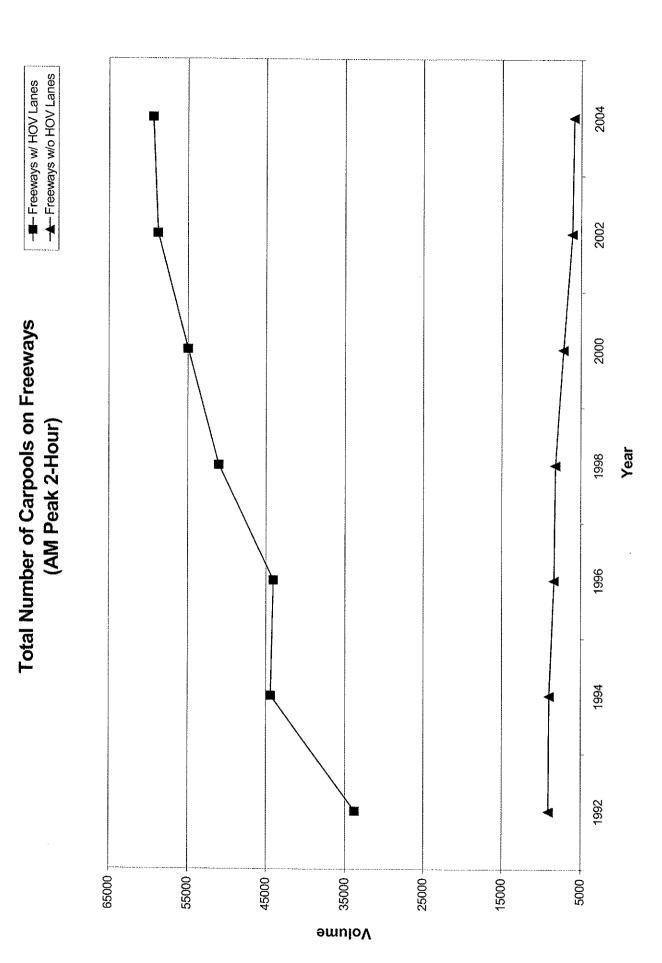
**** In operation for less than 3 yrs. (Route 5 to San Fernando Rd; Escondido to Pearbiossom); Part-time use of HOV lanes effective 01/01/01 (2+ during peak hours S/B 5-9am; N/B 3-7pm).

**** Temporary HOV lane closure. Travel time study was conducted from Ora. Co. Line to Rte 605 (3.2 mi.) and from Paramount to Rte 110 (7.1 mi.) W/B direction; From Rte 110 to Cherry Ave (6.1 mi.) and from Rte 605 to Ora. Co. Line (4.4 mi.) E/B direction.

Number of Carpools on Freeways (AM Peak 2-Hour)

		Length	Opening			Nun	AM Number of Ca	AM Peak 2-Hour of Carpools in H	AM Peak 2-Hour of Carpools in HOV lanes	nes			Total	AM Number c	AM Peak 2-Hour	AM Peak 2-Hour Number of Carpools on freeway	eway	
	Route	of HOV Lanes	Date of HOV Lanes	Location	Base Year 1992	1994	1996	1998	2000	2002	2004	Base Year 1992	1994	1996	1998	2000	2002	2004
	10 *	11 Miles	Jan-73	Warwick	2312	1849	1139	1475	1683	1762	2155	2362	2294	1219	1550	1768	1817	2275
				Jackson	1722	1722	1879	1430	1870	2074	2284	1812	1812	1969	1476	1895	2119	2379
	14	6.4 Miles	May-98	Golden Valley	,	'	,	1491	2099	2184	1995	1290	1834	1174	1971	2718	2503	2370
	57	4.5 Miles	Aug-97	Pathfinder		-	-	1615	2006	2168	2216	1420	1660	1315	2360	2271	2478	2641
	09	7.5 Miles	Feb-99	Phillips Ranch	ı	ı	,	,	2548	2657	2373	945	945	945	1121	2843	3262	2988
	6	14.3 Miles	Mar-93	Wilmington	ı	1120	1952	2209	2679	2361	2431	2185	2875	2777	3079	3599	3191	2936
				Bloomfield	,	,	1449	1622	1838	2654	2654	2105	1580	2504	2557	2663	3184	3184
	105	16 Miles	Oct-93	Lakewood	ŧ	1674	2232	2134	2402	2370	2305	-	2642	2787	2629	2942	2843	2718
se				Long Beach	ş	2444	2679	2908	2893	2931	2789	1	3010	3395	3242	3294	3246	2984
ue7	110 *	10.7 Miles	Jun-96	Slauson	,		3084	5199	6427	5699	6330	2585	3110	4144	5754	6992	6334	6880
ΛΟΙ	118	11.4 Miles	Mar-97	Reseda	,	'		1004	1197	1905	2222	1519	1391	1220	1909	1597	3235	3207
-{ /M				Porter Ranch	-	,	ı	946	793	1068	1342	1264	1628	1283	1836	2013	1813	2077
sys	134	12.9 Miles	Oct-95	Jackson	1	,	810	1260	1146	1356	1376	2165	2320	2540	3075	1961	2571	1986
wee			Mar-96	Pass	,	3	1016	1017	1071	1572	1473	1760	2195	1721	1722	2041	2457	2258
1귀	170	6.1 Miles	Feb-96	Sherman Way	'	1	1102	1334	1503	1415	1755	1650	2150	2137	2454	2303	3210	3560
	210	18.5 Miles	Dec-93	2nd St.	1	2338	2721	2775	2608	2648	2789	2215	3833	3801	3460	3158	3058	3289
				Wilson	,	2186	1807	1807	1926	1860	2040	3390	3392	3667	3601	2958	2952	2964
	405	10.1 Miles	Oct-96	Burbank	ŧ	,	1529	1851	1576	2361	2136	1495	2115	2084	2581	1901	3291	2931
		11.9 Miles	Apr-93	Normandie	,	1021	1578	2034	2638	2616	2267	2311	2311	2238	2294	3073	2676	2882
	605	16.9 Miles	Apr-97	Beverly		'		949	2369	2323	2422	1280	1280	1095	2369	2959	2548	2882
		/	Total		4034	14354	24977	35060	43272	45984	47354	33753	44377	44015	51040	54949	58788	59391
		% Change	% Change From Base Year	ear								•	31%	30%	51%	63%	74%	%9 2
รอเ	2			Trentway								2070	1230	1230	1670	1785	1425	1475
le7 /	5			Greenwood								2370	2280	2030	1425	1690	1305	1275
\он	101			Encino								2140	3036	2592	2508	2262	2496	1812
O/M	710			Gage								2465	2400	2500	2585	1460	875	1325
ways			Tota)									9045	8946	8352	8188	7197	6101	5887
9917		% Change	% Change From Base Year	'ear									-1%	% 8°	% 0	7000	330%	25.0%
			11 31	1		21 to 12 to 1		£ > 1156				1 - 1 - 1 - 1	10,1	0/ 0-	1 ar	D/ 0.3	1 0/ CC.	0/ 22

Note: For statistical purposes, if the data of the year is not available and the facility was open at the time, the data for the following year is used.



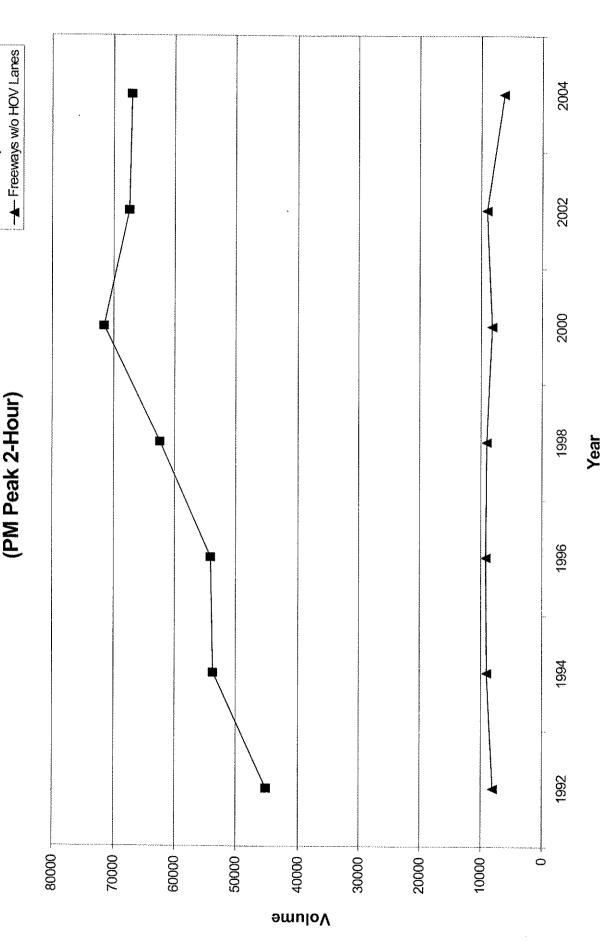
Note: The volume on freeways w/ HOV lanes is the total carpool volume at various locations on freeways, I-10, SR-14, SR-57, SR-60, SR-91, I-105, I-110, SR-118, SR-134, SR-170, I-210, I-405, and I-605. The volume on freeways w/o HOV lanes is the total carpool volume at various locations on freeways, SR-2, I-5, US-101, and I-710.

Number of Carpools on Freeways (PM Peak 2-Hour)

	2004		3236	2266	2775	2866	2871	3068	3989	3421	3114	6515	3139	2800	3005	2446	2572	4044	4137	3364	3018	4391	67037	48%	1122	1880	3192	,	6194	12%
2	2002		2902	2960	2568	3151	3637	3392	3989	3059	3151	5902	3166	3233	3093	2287	1963	3840	4406	3096	3998	3647	67440	49%	2316	2995	3648	-	8959	12%
on freew	1998		2739	2476	3292	3427	3509	3754	3837	3031	3402	6332	3218	3090	3046	2716	2038	4539	5459	3746	4087	3757	71495	58%	1386	3100	3600	,	9808	1%
PM Peak 2-Hour	1998		2100	1740	880€	2815	1901	3828	3252	3053	3297	5544	2054	2301	3717	2320	2437	3906	5273	3568	3559	2721	62474	38%	2016	3255	3714	,	8985	13%
PM Peak 2-Hour Total Number of Carnools on freeway	1996		2113	1834	1834	1475	1369	2881	3821	2776	3425	4708	1811	1789	2555	2488	2023	4002	4816	2856	2816	2695	54087	20%	1884	3120	4122		9126	14%
Total	1994		2377	2322	1460	2505	1369	2975	2110	3145	3541	3270	1609	2126	2420	2445	2025	4686	4759	3215	2205	3155	53719	19%	2052	3090	3816	·	8958	12%
	Base	1992	2550	2322	1768	2305	1369	4653	2655		,	3270	1609	1984	3020	1955	1915	3150	3432	2705	2205	2305	45172		2022	1945	3984	,	7981	,
	2004		2596	1686	2336	2626	2126	1993	2904	2630	2521	5285	2314	1950	1785	1416	1697	3194	2715	2259	2283	3496	49812							
s	2002		2102	2290	2080	2196	2352	2242	2904	2320	2555	4677	1761	1818	1553	1337	978	2646	2450	2271	2783	2957	46272							
ur HOV lane	2000		2194	1926	2047	2397	2434	2669	2617	2127	2543	4997	1478	1315	1931	1411	866	2824	3245	2306	2717	3092	47268							
PM Peak 2-Hour of Carpools in H	1998		1878	1575	1828	1590		2378	1432	2055	2517	3904	779	751	1547	1075	1007	2691	2603	1558	2049	1286	34503							
PM Peak 2-Hour Number of Carpools in HOV lane	1996		1858	1709	'	-	1	2657	1926	2105	2637	2788	-	,	1200	1068	868	2422	2524	1141	1536	-	26439							
N.	1994		1789	1972	,	•	,	1125	-	1757	2176	ŧ	1			-	,	2451	2209	1	1536	\ '	15015							
	Base Year	1992	1956	1972	·	·		2683	-	-	,			-	-	'	1	1		•	,		6611							
	Location		Warwick	Jackson	Golden Valley	Pathfinder	Phillips Ranch	Wilmington	Artesia	Lakewood	Long Beach	Slauson	Reseda	Porter Ranch	Jackson	Pass	Sherman Way	2nd St.	Wilson	Burbank	Normandie	Beverly		ear	Trentway	Greenwood	Encino	Gage		ear
Openina	Date of HOV Lanes		Jan-73		May-98	Aug-97	Feb-99	Oct-85		Oct-93	\neg	Jun-96	Mar-97		Oct-95	Mar-96	Feb-96	Dec-93		Oct-96	Apr-93	Apr-97	Total	% Change From Base Year		7		J	Totai	% Change From Base Year
Length	of HOV	רמוות	11 Miles		6.4 Miles	4.5 Miles	7.5 Miles	14.3 Miles		16 Miles		10.7 Miles	11.4 Miles		12.9 Miles		6.1 Miles	18.5 Miles		10.1 Miles	11.9 Miles	16.9 Miles	•-	% Change F						% Change F
	Route		10 *		44	57	60	91		105		110 *	118		134	7	170	210	1	405		605			2	5	101	710		
<u></u>				1		1					s	ane.	1 00	H /W	s/s	wee	13 T					L			s	eue 7	ΙΛΟ	H 0/	w sys w	Free

Note: For statistical purposes, if the data of the year is not available and the facility was open at the time, the data for the following year is used.

^{*} Volume for Carpools, Vanpools, and Buses. All other volumes are Carpools and Vanpools only. Violators excluded.



Note: The volume on freeways w/ HOV lanes is the total carpool volume at various locations on freeways, L10, SR-14, SR-57, SR-60, SR-91, L105, L110, SR-118, SR-134, SR-170, L210, L405, and L605. The volume on freeways w/o HOV lanes is the total carpool volume at various locations on freeways, SR-2, L5, LS-101, and L710.

-■- Freeways w/ HOV Lanes

Total Number of Carpools on Freeways

CHANGES IN 2003 - 2004

The following is a list of HOV lanes under construction in the year 2004:

- San Diego Freeway (Route 405), 10.2 lane-miles of carpool lanes, between Century Boulevard and Imperial Highway (Route 90), is expected to open in October 2006.
- Pomona Freeway (Route 60) / Orange Freeway (Route 57) HOV lane direct connector, 5.2 lane-miles, is expected to open in July 2007.
- San Diego Freeway (Route 405), 7.2 lane-miles of carpool lanes, between Imperial Highway (Route 90) and Santa Monica Freeway (Route 10), is expected to open in December 2007.

Legislative bills that affected traffic operations:

- Senate Bill 63 which became effective January 1, 2000, reduced the minimum occupancy requirement from 3 to 2 persons per vehicle on the I-10 El Monte Busway, on a 24-hour basis. Signs were changed and the facility was monitored through electronic counts, tachometer runs, and manual counts for six months. The Department submitted an operational report to the Legislature. The conclusion The HOV facility became congested for a couple of hours during the morning and afternoon peak periods; Buffer violations increased from vehicles exiting the congested HOV lane; Observed a significant reduction of 3-person carpools; Public inquiries increased to various agencies and officials regarding the facility.
- Assembly Bill 71 which became effective July 1, 2000, allowed certain clean air vehicles to use the State's HOV system, regardless of the number of people in the vehicle. The Department of Motor Vehicles' decal must be displayed on the vehicle to qualify for the exemption. Signs were installed on all HOV facilities in California.
- Assembly Bill 769 which became effective July 24, 2000, overrode Senate Bill 63, and restored the 3 or more occupancy requirement during the peak hours, on the I-10 El Monte Busway. Senate Bill 63 had attracted too many users to the HOV lane and caused considerable congestion to peak hour traffic. These delays were conveyed to elected officials and various agencies. The 3 or more persons requirement is currently in effect Monday through Friday from 5-9a.m. and 4-7p.m.; The 2-person carpools are allowed to use the HOV lanes all other times. Signs were changed and the facility was monitored for five months. The Department submitted an operational report to the Legislature. The conclusion - The facility is no longer congested, however the occupancy violation rate in the peak period sometimes reaches 50%; More regulatory signs displaying the hours and occupancy requirement were added to the facility; Implemented increased presence and enforcement by the California Highway Patrol. The 3+/2+ variable occupancy HOV lane is still in effect with FHWA approval.

CHANGES IN 2003 - 2004

Assembly Bill 1871 which became effective January 1, 2001, began an 18-month demonstration project to evaluate part-time use of the HOV lanes on State Route 14 between Santa Clarita and Palmdale. This project only allows carpools in the HOV lanes during peak periods (Southbound, 5-9a.m. and Northbound, 3-7p.m., Monday - Friday). Solo drivers are allowed to use the HOV lanes all other times. The double-yellow buffer lines will remain throughout the demonstration, and users still need to observe the designated openings for entering and exiting the HOV lanes. Some of the openings (ingress/egress locations) were lengthened in April 2001 to provide more access on the steep uphill grades of the facility. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time, given the Route 5/14 direct connectors will be completed in the year 2009.

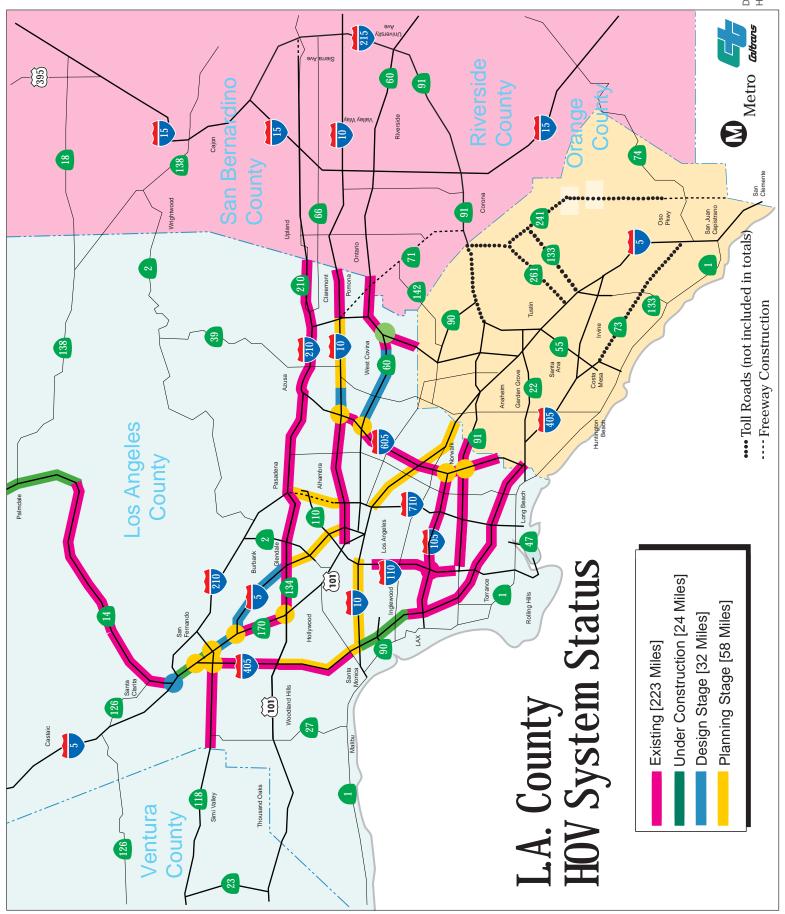
HOV PROJECTS SCHEDULED FOR COMPLETION IN 2005 - 2006

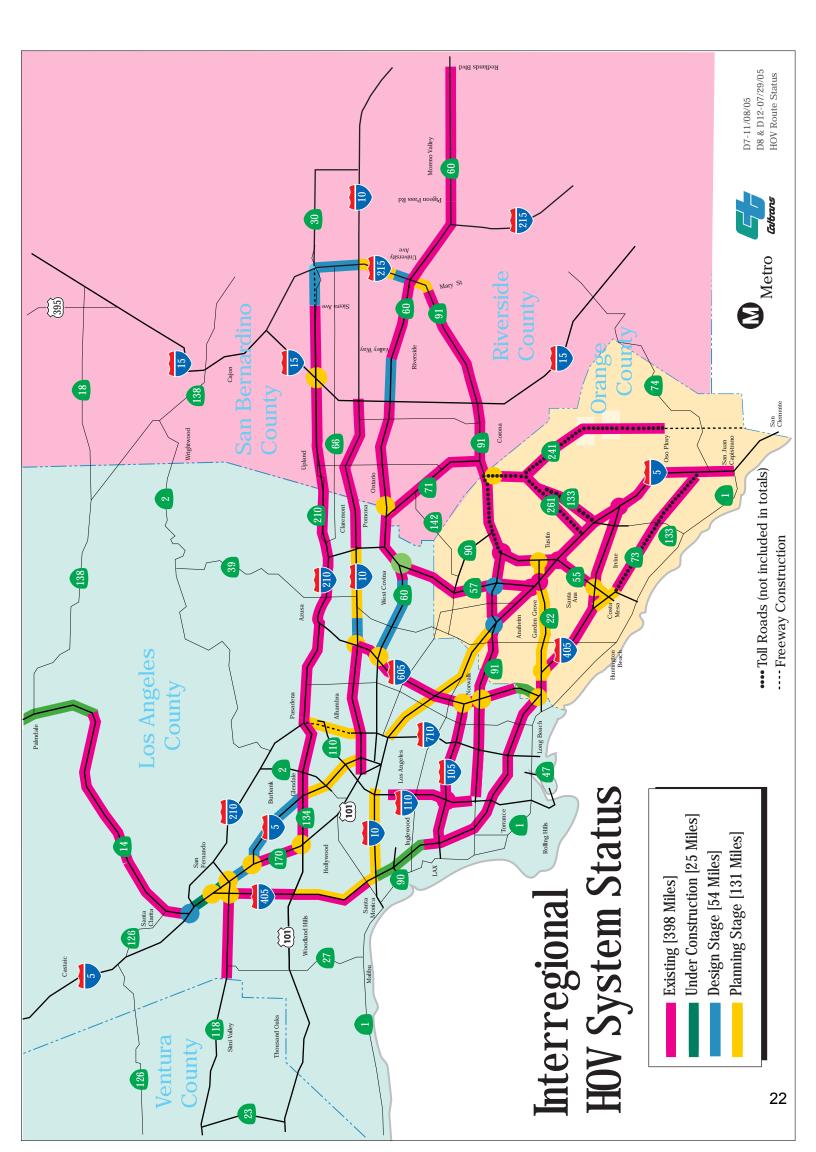
ROUTE LA-10	POST MILE 28.0/31.2	PROJECT LIMITS Baldwin to Route 605	OPENING DATE February 2005
LA-405	21.3/26.4	Century Boulevard to Route 90	October 2006

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HOV SYSTEM STATUS MAP

- **+ LOS ANGELES COUNTY**
- ♦ INTERREGIONAL (Los Angeles, Orange, Riverside, and San Bernardino County)





FACT SHEET AND INGRESS/EGRESS MAP



FACT SHEET

ROUTE 10 SAN BERNANDINO FREEWAY **EL MONTE BUSWAY**

Project Limits & Length:

FROM ALAMEDA ST TO EL MONTE STATION

11 MILES

FROM ROUTE 57 TO SAN BERNARDINO CO. LINE

5.9 MILES

FROM BALDWIN AVE TO SAN GABRIEL RIVER FWY

3.2 MILES

Date of Opening:

FROM ALAMEDA ST TO EL MONTE STATION

JAN 1973

FROM ROUTE 57 TO SAN BERNARDINO CO. LINE FROM BALDWIN AVE TO SAN GABRIEL RIVER FWY

NOV 13, 2003 FEB 4, 2005

Cost:

FROM ALAMEDA ST TO EL MONTE STATION

\$58.0 MILLION

FROM ROUTE 57 TO SAN BERNARDINO CO. LINE

\$77.2 MILLION

FROM BALDWIN AVE TO SAN GABRIEL RIVER FWY

\$51.7 MILLION

Current Peak Hr Volume:

1100 VEHICLES @ JACKSON (HOV 3+)

Park & Ride Facilities:

8 (DEL MAR, SANTA ANITA, W. COVINA PKWY, BARRANCA, VIA-

VERDE, GILLETTE, FAIRPLEX, and GAREY)

Number of Ingress/Egress:

FROM ALAMEDA ST TO EL MONTE STATION

2 E/B, 5 W/B

FROM ROUTE 57 TO SAN BERNARDINO CO. LINE

2 E/B, 3 W/B FROM BALDWIN AVE TO SAN GABRIEL RIVER FWY 1 E/B, 1 W/B

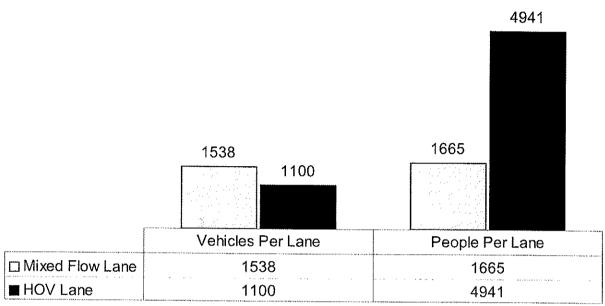
Unique Features:

Fly over on & off ramps at Del Mar. Bus only connectors to and from I-710 north of I-10; Four on line stations at El Monte, University, Hospital, and Union Station.

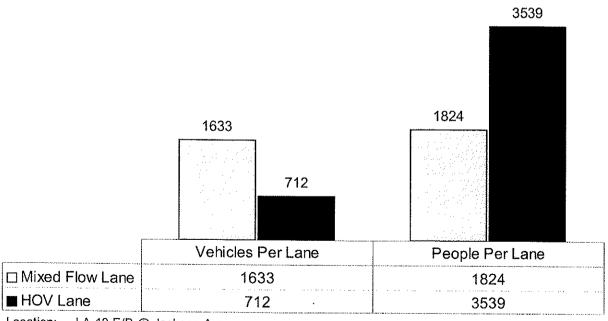
SB 63 - Authored by Senator Solis - passed and was enacted January 1, 2000, which lowered the occupancy requirement from 3 or more to 2 or more persons per vehicle. Caltrans and MTA studies have predicted detrimental affects on the operation of the facility.

AB 769 - Effective July 24, 2000, overrode SB 63 and restored the 3 or more occupancy requirements during peak hours. SB 63 had attracted too many users to the HOV lane and caused considerable congestion to peak hour traffic. The 3 or more persons requirement is currently in effect Monday through Friday from 5-9 a.m. and 4-7 p.m.

PEAK HOUR COMPARISON



Location: LA-10-W/B @ Jackson Ave Date/Time: 03-23-05 / 6:30-7:30 AM



Location: LA-10-E/B @ Jackson Ave Date/Time: 04-19-05 / 4:30-5:30 PM

CALTRANS - DISTRICT 7

HOV Operation on Route 10

Co. Rte. Dir.	LA - 10 - WB	LA - 10 - EB
Location	JACKSON	See 2+/3+ P.M. Summary Sheet
Post Mile	25.09	The state of the s
Date	03/23/05	
HOV Peak Hour	6:30 - 7:30 AM	
Occupancy Requirement	3 +	
HOV VEHI	CLE SUMMARY	
Carpools	997	
Vanpools	28	
Buses	52	
Motorcycles	23	
HOV lane Violators	172	
Total Vehicles in HOV Lane	1272	
Carpools Using Mainline	35	
	ple Summary	
People in Carpool & Vanpools	3207	
People in Buses	1711	
People on Motorcycles	23	
Violators	329	
Total HOV People	5270	
	ne Summary	
Mixed-Flow lanes	4	
Mixed-flow Vehicles	6150	
Mixed-Flow People	6660	
Mixed-Flow People/Lane	1665	
Trucks on Mainlines	210 € 1	
	ay Summary	
Total Mixed-Flow People	6660	
Total HOV People	5270	
Total Freeway People	11930	
Percent Carried in HOV Lane	44.17%	
Percent Carried per Mixed-Flow Lane	13.96%	
	cupancy	
HOV Occupancy	4.14	
Mainline Occupancy	1.08	
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	3.17	
*Peak hours are based on the following peak		

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

CALTRANS - DISTRICT 7

HOV Operation on Route

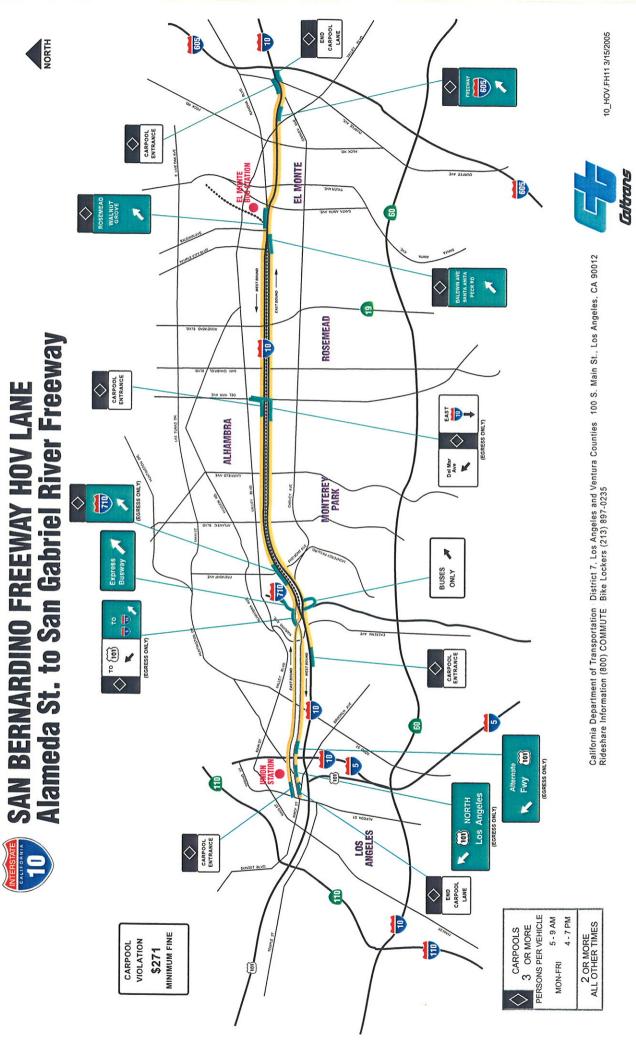
Co. Rte. Dir. 10 - EB LA -10 - EB Location **JACKSON JACKSON** Post Mile 25.09 25.09 Date 04/19/05 04/19/05 HOV Peak Hour 15:00 - 16:00 PM 16:30 - 17:30 PM Occupancy Requirement 2 3 **HOV VEHICLE SUMMARY** Carpools 1042 566 Vanpools 35 57 **Buses** 37 54 Motorcycles 40 35 **HOV lane Violators** 8 239 Total Vehicles in HOV Lane 1162 951 Carpools Using Mainline 535 45 **HOV People Summary** People in Carpool & Vanpools 2475 2103 People in Buses 822 1401 People on Motorcycles 40 35 Violators 8 475 Total HOV People 3345 4014 **Mainline Summary** Mixed-Flow lanes 4 4 Mixed-flow Vehicles 6485 6530 Mixed-Flow People 7095 7295 Mixed-Flow People/Lane 1774 1824 Trucks on Mainlines 208 110 Freeway Summary Total Mixed-Flow People 7095 7295 Total HOV People 3345 4014 Total Freeway People 10440 11309 Percent Carried in HOV Lane 32.04% 35.49% Percent Carried per Mixed-Flow Lane 16.99% 16.13% Occupancy **HOV Occupancy** 2.88 4 22 Mainline Occupancy 1.09 1.12 Equivalent Number Mixed-flow Lanes

1.89

2.20

Needed to carry HOV People

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 4/22/2005 11:06 AM C:\CountData\LA 10 JACKSON +2+3 4-19-05 PM



NORTH

District 7 Graphic Services ¥ 10 HOVegresing ¥ 4/27/04



FACT SHEET

ROUTE 14 ANTELOPE VALLEY FREEWAY

Project Limits & Length: FROM SAN FERNANDO RD TO SAND CANYON

FROM SAND CANYON TO ESCONDIDO FROM ESCONDIDO TO PEARBLOSSOM FROM ROUTE 5 TO SAN FERNANDO RD

6.4 MILES 9.9 MILES 11.2 MILES 2.3 MILES

Date of Opening: FROM SAN FERNANDO RD TO SAND CANYON

FROM SAND CANYON TO ESCONDIDO FROM ESCONDIDO TO PEARBLOSSOM FROM ROUTE 5 TO SAN FERNANDO RD MAY 5, 1998 SEP. 23, 1999 JUL. 29, 2002 AUG. 3, 2002

Cost: FROM SAN FERNANDO RD TO SAND CANYON

FROM SAND CANYON TO ESCONDIDO FROM ESCONDIDO TO PEARBLOSSOM FROM ROUTE 5 TO SAN FERNANDO RD \$23.8 MILLION \$31.8 MILLION \$27.5 MILLION \$5.4 MILLION

Current Peak Hr Volume:

1334 VEHICLES @ GOLDEN VALLEY

Park & Ride Facilities:

8 (SAN FERNANDO RD (3), GOLDEN VALLEY RD (3), SAND

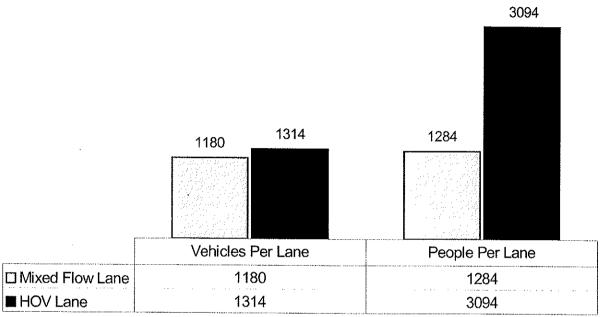
CANYON RD, and SIERRA HWY)

Number of Ingress/Egress:

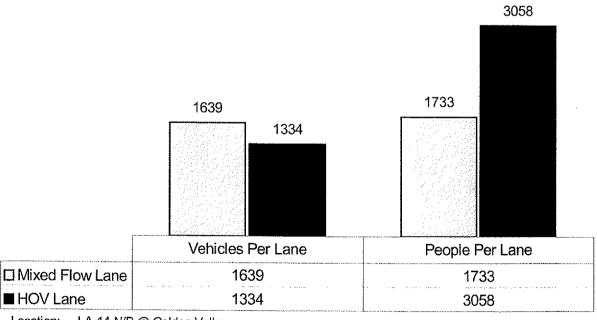
10 NORTHBOUND & 12 SOUTHBOUND

Unique Features:

AB 1871 - Effective January 1, 2001, began an 18-month demonstration project to evaluate part-time use of the HOV lanes on State Route 14. This project only allows carpools in the HOV lanes during peak periods (Southbound, 5-9a.m. and Northbound, 3-7p.m., Monday - Friday). Solo drivers are allowed to use the HOV lanes all other times. The double-yellow buffer lines will remain throughout the demonstration, and users still need to observe the designated openings for entering and exiting the HOV lanes. Some of the openings (ingress/egress locations) were lengthened in April 2001 to provide more access on the steep uphill grades of the facility. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time, given the 5/14 direct connectors will be completed in the year 2009.



Location: LA-14-S/B @ Golden Valley Date/Time: 12-01-04 / 6:30-7:30 AM



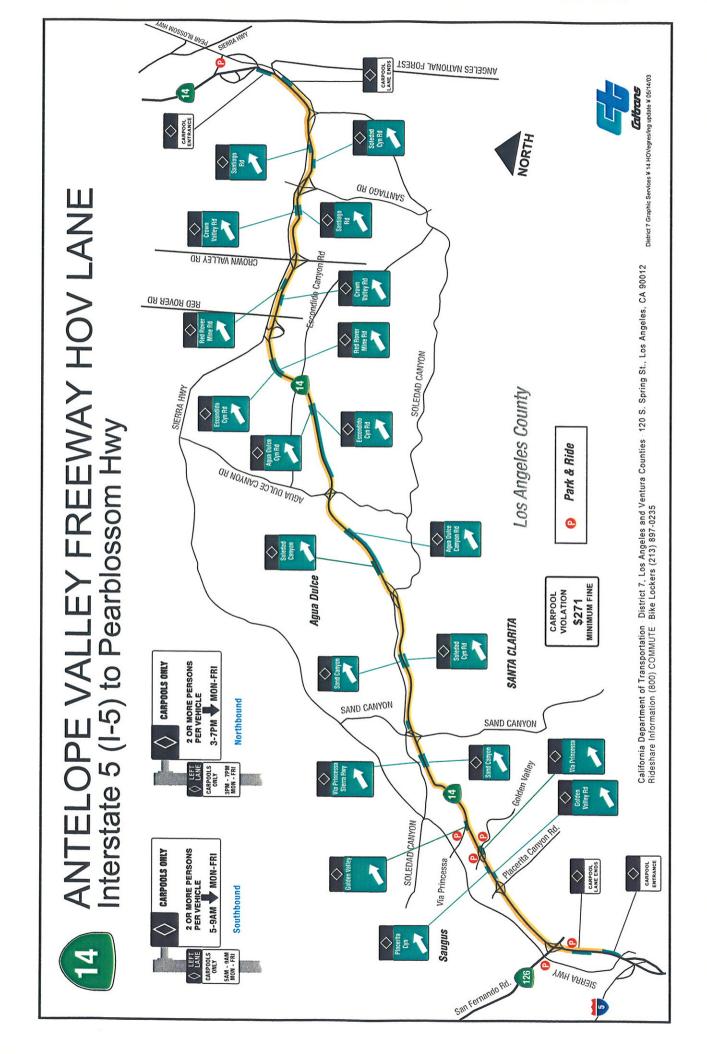
Location: LA-14-N/B @ Golden Valley Date/Time: 11-30-04 / 4:30-5:30 PM

CALTRANS - DISTRICT 7

HOV Operation on Route 14

Co. Rte. Dir.	LA - 14 - SB	LA - 14 - NB
Location	GOLDEN VALLEY	GOLDEN VALLEY
Post Mile	29.68	29.68
Date	12/01/04	11/30/04
HOV Peak Hour	6:30 - 7:30 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHIC	CLE SUMMARY	
Carpools	1269	1247
Vanpools	25	63
Buses	10	, 3
Motorcycles	10	21
HOV lane Violators	4	1
Total Vehicles in HOV Lane	1318	1335
Carpools Using Mainline	259	·· 240
HOV Peo	ple Summary	
People in Carpool & Vanpools	2824	2977
People in Buses	260	60
People on Motorcycles	10	21
Violators	4	1
Total HOV People	3098	3059
Mainlin	e Summary	
Mixed-Flow lanes	3	3
Mixed-flow Vehicles	3540	4916
Mixed-Flow People	3851	5198
Mixed-Flow People/Lane	1284	1733
Freeway Summary		
Total Mixed-Flow People	3851	5198
Total HOV People	3098	3059
Total Freeway People	6949	8257
Percent Carried in HOV Lane	44.58%	37.05%
Percent Carried per Mixed-Flow Lane	18.47%	20.98%
Occupancy		
HOV Occupancy	2.35	2.29
Mainline Occupancy	1.09	1.06
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	2.41	1.77
*Poak hours are based on the following non		

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.





ROUTE 57 ORANGE FREEWAY

Project Limits & Length:

FROM ROUTE 60 TO ORANGE COUNTY LINE; 4.5 MILES

Date of Opening:

AUGUST 22, 1997

Cost:

\$18.2 MILLION

Current Peak Hr Volume:

1400 VEHICLES @ PATHFINDER

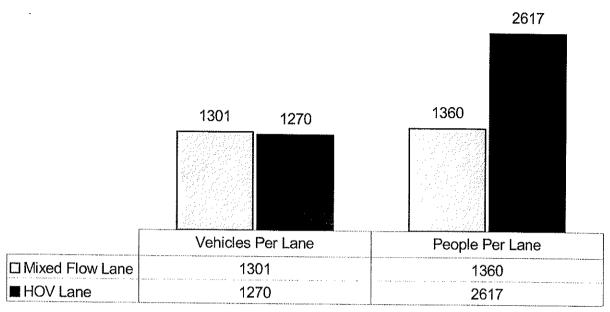
Park & Ride Facilities:

1 (PATHFINDER)

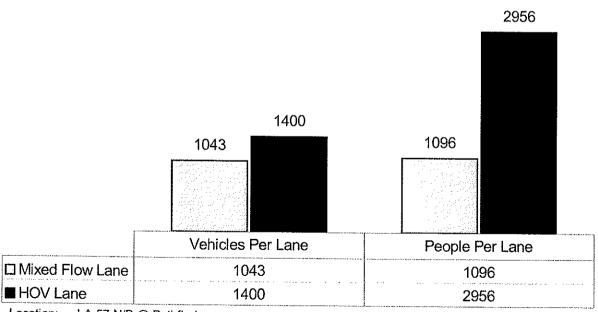
Number of Ingress/Egress:

2 NORTHBOUND & 3 SOUTHBOUND

Unique Features:



Location: LA-57-S/B @ Pathfinder Date/Time: 11-17-04 / 6:30-7:30 AM



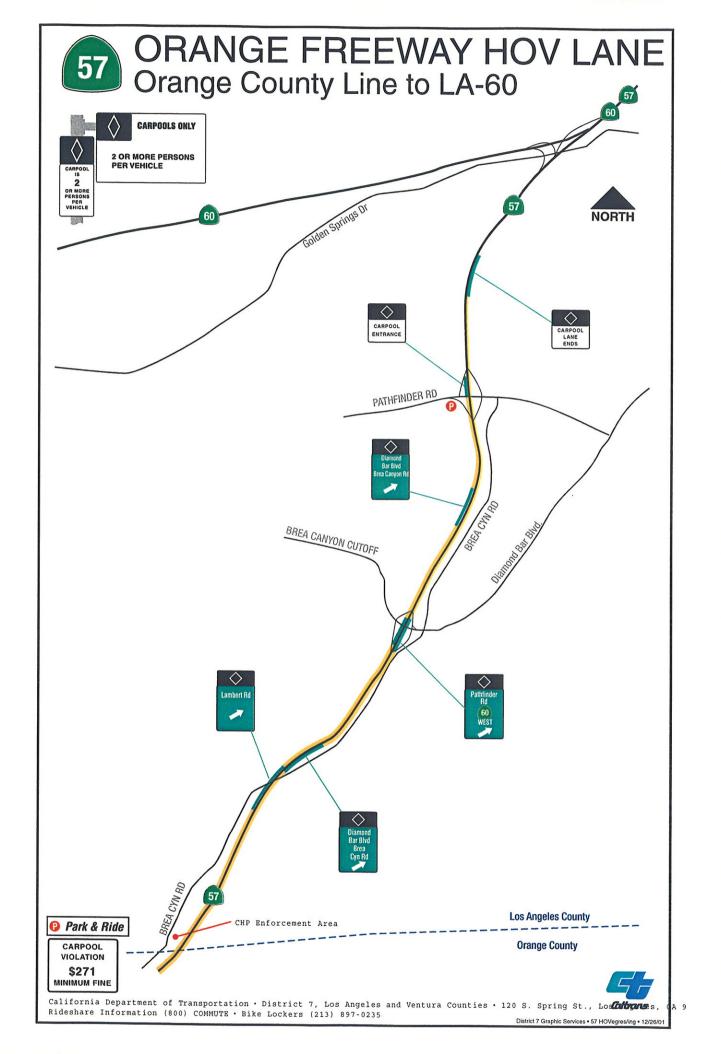
Location: LA-57-N/B @ Pathfinder Date/Time: 12-08-04 / 4:00-5:00 PM

CALTRANS - DISTRICT 7

HOV Operation on Route 57

•	II OII Route 37	
Co. Rte. Dir.	LA - 57 - SB	LA - 57 - NB
Location	PATHFINDER	PATHFINDER
Post Mile	3.16	3.16
Date	11/17/04	12/08/04
HOV Peak Hour	6:30 - 7:30 AM	16:00 - 17:00 PM
Occupancy Requirement	2 +	2 +
	CLE SUMMARY	
Carpools	1230	1375
Vanpools	11	9
Buses	2	0
Motorcycles	27	16
HOV lane Violators	2	2
Total Vehicles in HOV Lane	1272	1402
Carpools Using Mainline	215	165
	ple Summary	
People in Carpool & Vanpools	2588	2940
People in Buses	2	0
People on Motorcycles	27	16
Violators	2	2
Total HOV People	2619	2958
	e Summary	
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5205	4170
Mixed-Flow People	5440	4385
Mixed-Flow People/Lane	1360	1096
Freeway Summary		
Total Mixed-Flow People	5440	4385
Total HOV People	2619	2958
Total Freeway People	8059	7343
Percent Carried in HOV Lane	32.50%	40.28%
Percent Carried per Mixed-Flow Lane	16.88%	14.93%
Occupancy		
HOV Occupancy	2.06	2.11
Mainline Occupancy	1.05	1.05
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	1.93	2.70
*D		<u> </u>

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.





ROUTE 60 POMONA FREEWAY

2.4 MILES

5.1 MILES

FEB. 2, 1999

FEB. 2, 1999

\$5.5 MILLION

\$20.8 MILLION

Project Limits & Length:

FROM BREA CANYON TO RTE 57 N

FROM RTE 57 N TO COUNTY LINE

Date of Opening:

FROM BREA CANYON TO RTE 57 N

FROM RTE 57 N TO COUNTY LINE

Cost:

FROM BREA CANYON TO RTE 57 N

FROM RTE 57 N TO COUNTY LINE

Current Peak Hr Volume:

1277 VEHICLES @ PHILLIPS RANCH

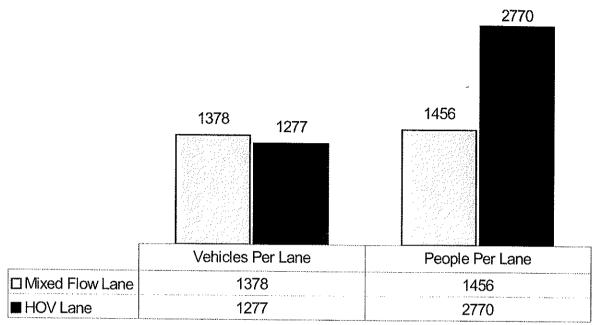
Park & Ride Facilities:

2 (DIAMOND BAR BLVD (2))

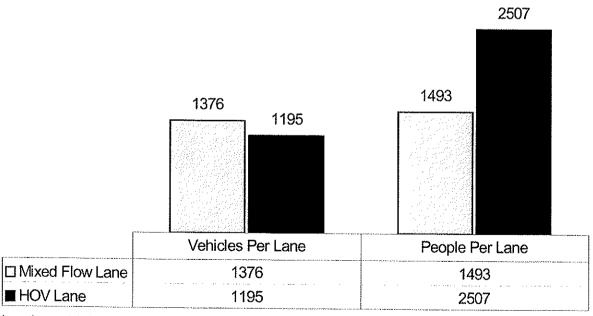
Number of Ingress/Egress:

3 IN EACH DIRECTION

Unique Features:



Location: LA-60-W/B @ Phillips Ranch Date/Time: 03-11-05 / 7:00-8:00 AM



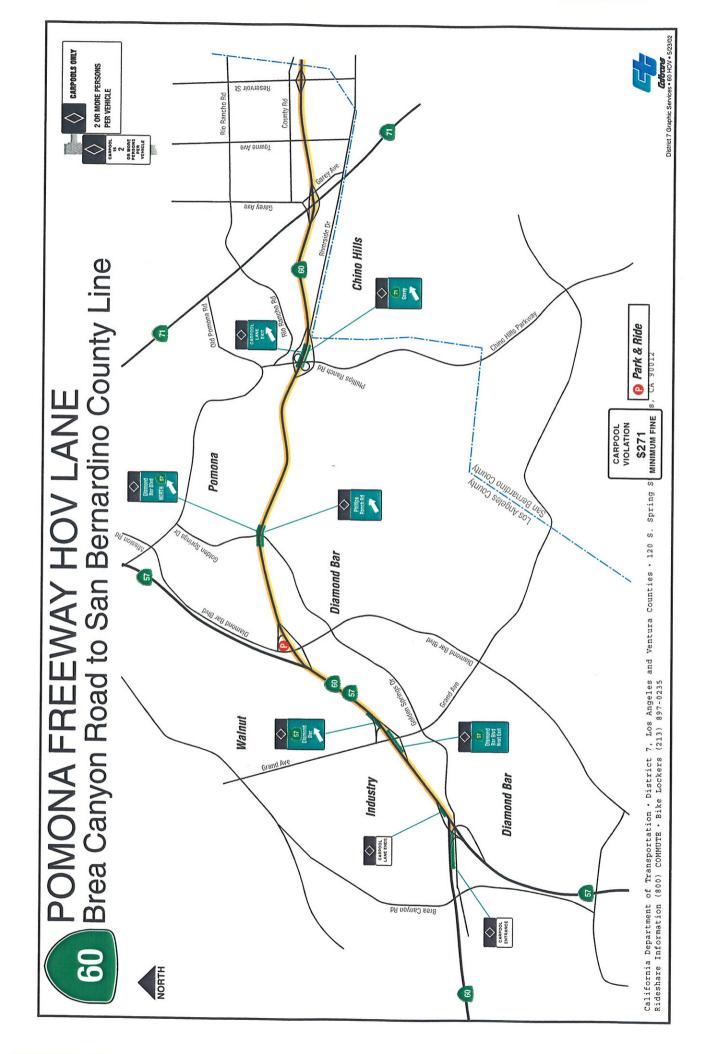
Location: LA-60-E/B @ Phillips Ranch Date/Time: 03-02-05 / 4:30-5:30 PM

CALTRANS - DISTRICT 7

HOV Operation on Route 60

Co. Rte. Dir.	LA - 60 - WB	LA - 60 - EB
Location	PHILLIPS RANCH	
Post Mile	28.04	28.04
Date	03/01/05	03/02/05
HOV Peak Hour	7:00 - 8:00 AM	16:30 - 17:30 PM
Occupancy Requirement	2 +	2 +
HOV VEHI	CLE SUMMARY	
Carpools	1245	1160
Vanpoois	13	6
Buses	3	3
Motorcycles	16	26
HOV lane Violators	2	1
Total Vehicles in HOV Lane	1279	1196
Carpools Using Mainline	295	430
HOV Ped	ple Summary	
People in Carpool & Vanpools	2634	2411
People in Buses	120	70
People on Motorcycles	16	26
Violators	2	1
Total HOV People	2772	2508
	e Summary	
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5510	5505
Mixed-Flow People	5825	5970
Mixed-Flow People/Lane	1456	1493
Trucks on Mainlines	486	524
Freeway Summary		
Total Mixed-Flow People	5825	5970
Total HOV People	2772	2508
Total Freeway People	8597	8478
Percent Carried in HOV Lane	32.24%	29.58%
Percent Carried per Mixed-Flow Lane	16.94%	17.60%
Occupancy		
HOV Occupancy	2.17	2.10
Mainline Occupancy	1.06	1.08
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	1.90	1,68
*Peak hours are based on the following pools		

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 3/7/2005 1:23 PM C:\CountData\LA 60 PHILLIPS RANCH 3-1-05





ROUTE 91 ARTESIA FREEWAY

Project Limits & Length:

FROM ROUTE 110 TO ROUTE 605

10.3 MILES

FROM ROUTE 605 TO ORANGE CO. LINE

4.0 MILES

Date of Opening:

FROM ROUTE 110 TO ROUTE 605

JUNE 10, 1985 (E/B)

FROM ROUTE 110 TO ROUTE 605

MARCH 11, 1993 (W/B)

FROM ROUTE 605 TO ORANGE CO. LINE

NOVEMBER 1994

Cost:

FROM ROUTE 110 TO ROUTE 605

\$ 1.8 MILLION

FROM ROUTE 605 TO ORANGE CO. LINE

\$ 0.9 MILLION

Current Peak Hr Volume:

1324 VEHICLES @ WILMINGTON

Park & Ride Facilities:

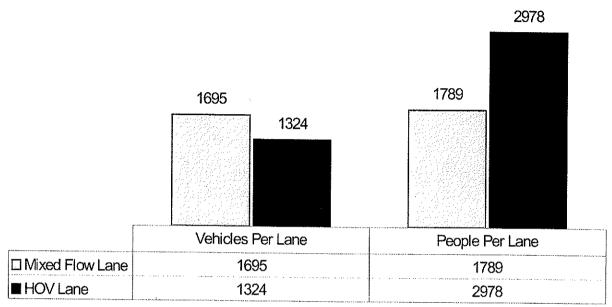
3 (VERMONT/182nd, ACACIA AVE and BUTLER AVE)

Number of Ingress/Egress:

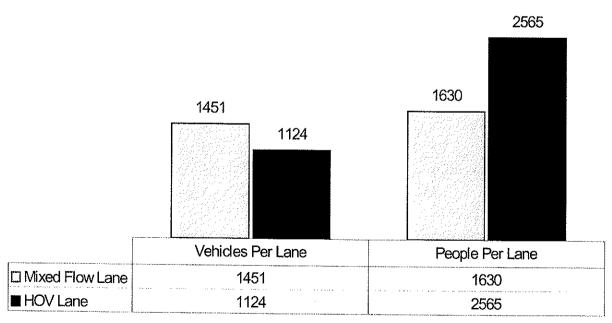
4 EASTBOUND & 6 WESTBOUND

Unique Features:

Eastbound 91 was originally a demonstration project of part time use of the median shoulder, no reconstruction or even resurfacing was done in 1985; just patches to bridge the approach slabs and placement of signs and markings.



Location: LA-91-W/B @ Wilmington Date/Time: 04-12-05 / 6:30-7:30 AM



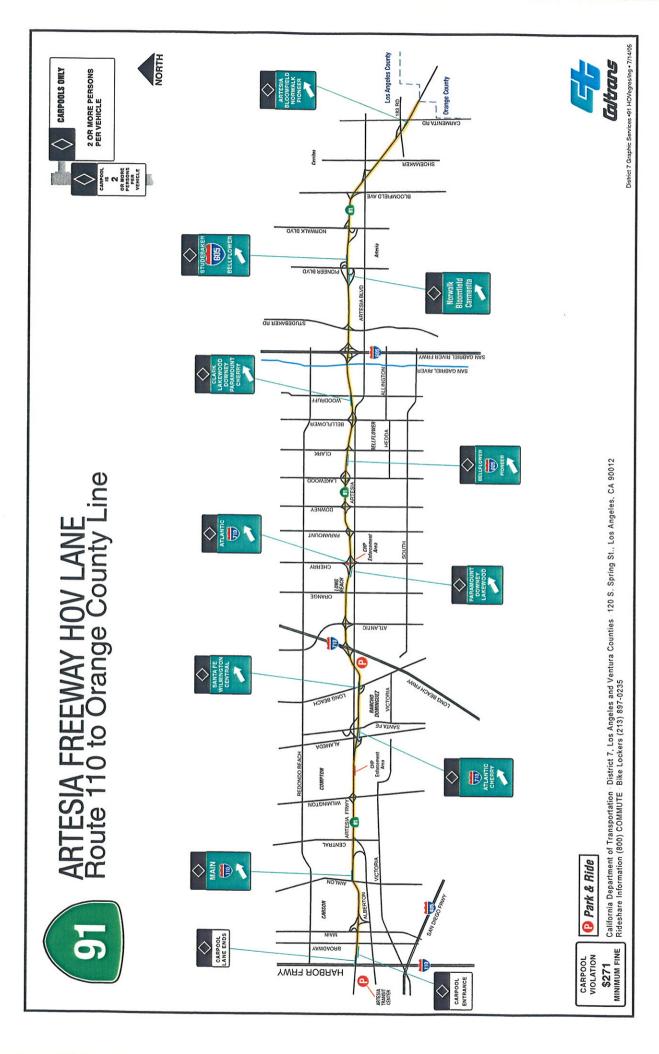
Location: LA-91-E/B @ Wilmington Date/Time: 04-13-05 / 3:45-4:45 PM

CALTRANS - DISTRICT 7

HOV Operation on Route 91

Co. Rte. Dir.	LA - 91 - WB	LA - 91 - EB	
Location	WILMINGTON	WILMINGTON	
Post Mile	9.16	9.16	
Date	04/12/05	04/13/05	
HOV Peak Hour	6:30 - 7:30 AM	15:45 - 16:45 PM	
Occupancy Requirement	2 +	2 +	
HOV VEHI	CLE SUMMARY		
Carpools	1289	1053	
Vanpools	13	.34	
Buses	5	5	
Motorcycles	17	32	
HOV lane Violators	19	1	
Total Vehicles in HOV Lane	1343	1125	
Carpools Using Mainline	315	580	
HOV Ped	ple Summary		
People in Carpool & Vanpools	2781	2413	
People in Buses	180	120	
People on Motorcycles	17	32	
Violators	19	1	
Total HOV People	2997	2566	
Mainlir	ne Summary		
Mixed-Flow lanes	4	4	
Mixed-flow Vehicles	6780	5805	
Mixed-Flow People	7155	6520	
Mixed-Flow People/Lane	1789	1630	
Trucks on Mainlines	231	169	
Freewa	Freeway Summary .		
Total Mixed-Flow People	7155	6520	
Total HOV People	2997	2566	
Total Freeway People	10152	9086	
Percent Carried in HOV Lane	29,52%	28.24%	
Percent Carried per Mixed-Flow Lane	17.62%	17.94%	
Occupancy			
HOV Occupancy	2.23	2.28	
Mainline Occupancy	1.06	1.12	
Equivalent Number Mixed-flow Lanes			
Needed to carry HOV People	1.68	1.57	

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.
4/18/2005 9:21 AM C:\CountData\LA 91 WILMINGTON 4-12-05





ROUTE 105 GLENN ANDERSON/ CENTURY FREEWAY

Project Limits & Length:

FROM ROUTE 405 TO ROUTE 605; 16.0 MILES

Date of Opening:

OCTOBER 14, 1993

Cost:

\$ 230.0 MILLIION

Current Peak Hr Volume:

1468 VEHICLES @ LONG BEACH BLVD

Park & Ride Facilities:

14 (AVIATION, HAWTHORNE (2), CRENSHAW/120th, VERMONT (2), FIGUEROA, AVALON, WILMINGTON, IMPERIAL, LONG BEACH

(2), LAKEWOOD, and HOXIE)

Number of Ingress/Egress:

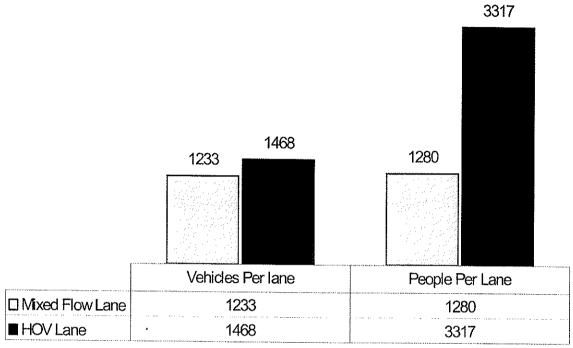
6 WESTBOUND & 7 EASTBOUND

Unique Features:

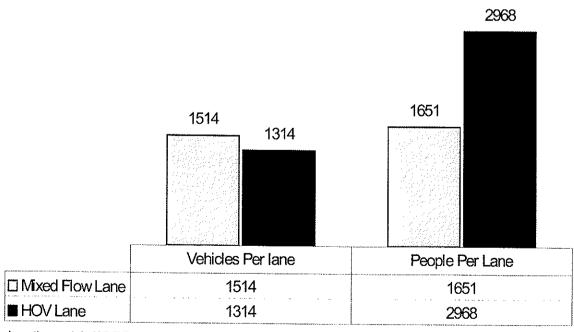
The 105 freeway has a 10-ft left shoulder for the HOV lanes. The initial freeway construction was stopped for eight years due to environmental concerns. Court consent decree said to provide three mixed flow lanes, one HOV lane and one rail line in each direction.

Housing relocation and assistance program almost equal in value to freeway construction costs. The freeway has direct HOV connectors at Route 110/105 interchange. The Route 105/710 interchange used 6000 cubic yards of concrete, which would fill 18 soccer fields 3 ft deep. It used 6500 tons of steel-rebars which can make about 3500 cars.

The most modern freeway has sensors built into the pavement linked to the Caltrans Traffic Operation Center.



Location: LA-105-W/B @ Long Beach Blvd Date/Time: 03-09-05 / 7:30-8:30 AM



Location: LA-105-E/B @ Long Beach Blvd Date/Time: 03-08-05 / 3:45-4:45 PM

CALTRANS - DISTRICT 7

HOV Operation on Route 105

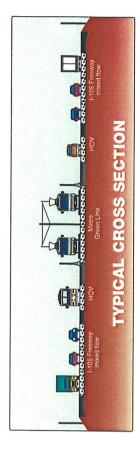
Co. Rte. Dir.	LA - 105 - WB	LA - 105 - EB
Location	LONG BEACH	LONG BEACH
Post Mile	11,50	11.50
Date	03/09/05	03/08/05
HOV Peak Hour	7:30 - 8:30 AM	15:45 - 16:45 PM
Occupancy Requirement	2 +	2 +
HOV VEHI	CLE SUMMARY	
Carpools	1401	1237
Vanpools	18	27
Buses	12	3
Motorcycles	37	47
HOV lane Violators	22	16
Total Vehicles in HOV Lane	1490	1330
Carpools Using Mainline	105	371
HOV Ped	ple Summary	
People in Carpool & Vanpoòls	3103	2821
People in Buses	177	100
People on Motorcycles	37	47
Violators	22	16
Total HOV People	3339	2984
<u>Mainlir</u>	ne Summary	
Mixed-Flow lanes	3	3
Mixed-flow Vehicles	3698	4541
Mixed-Flow People	3840	4954
Mixed-Flow People/Lane	1280	1651
Trucks on Mainlines	104	91
Freewa	ay Summary	
Total Mixed-Flow People	3840	4954
Total HOV People	3339	2984
Total Freeway People	7179	7938
Percent Carried in HOV Lane	46.51%	37.59%
Percent Carried per Mixed-Flow Lane	17.83%	20.80%
Occupancy		
HOV Occupancy	2.24	2.24
Mainline Occupancy	1.04	1.09
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	2.61	1.81
*D=-1-1	2.01	1.01

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 3/21/2005 1:39 PM C:\CountData\LA 105 LONG BEACH 3-8-05

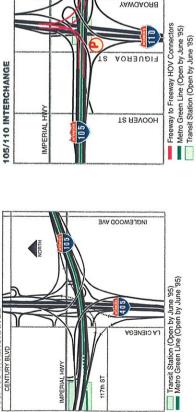


INTERSTATE 105

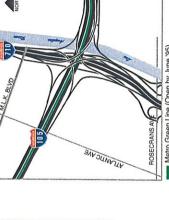
Glenn Anderson (Century) Freeway Transitway Open - October 14, 1993













GARFIELD AVE

Not to Scale

LONDRA

105/405 INTERCHANGE

105/710 INTERCHANGE

Metro Green Line (Open by June '95)

CALIFORNIA DEPARTMENT OF TRANSPORTATION • 105 HOV Map* 1/10/95



HOV Ingress/Egress Locations

Transit Stations and Park & Ride Lot Locations



ROUTE 110 HARBOR FREEWAY

Project Limits & Length:

FROM ADAMS BLVD TO ROUTE 91; 10.7 MILES

Date of Opening:

JUNE 26, 1996

Cost:

\$ 344.0 MILLION

Current Peak Hr Volume:

3460 VEHICLES ON 2 HOV LANES @ SLAUSON AVE

Park & Ride Facilities:

7 (SLAUSON (2), MANCHESTER (2), FIGUEROA, VERMONT/182nd,

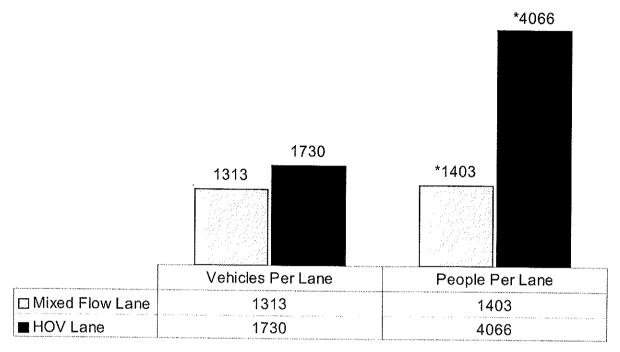
and CARSON/FIGUEROA)

Number of Ingress/Egress:

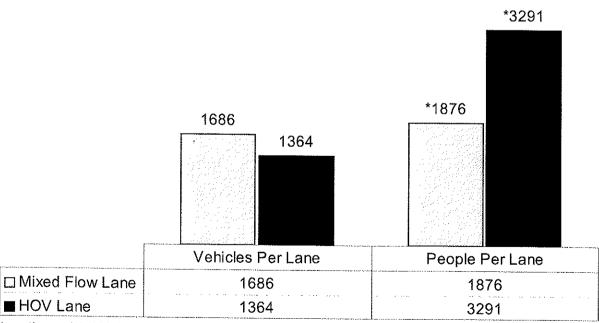
3 IN EACH DIRECTION

Unique Features:

- 10.3 miles of exclusive transitway with 2.6 miles of elevated structures that are 67-ft wide.
- North of Route 105, the 110 Transitway has two HOV lanes in each direction.
- Direct HOV drop ramps at Adams Boulevard and 39th Street.



Location: LA-110-N/B @ Slauson Ave Date/Time: 05-25-05 / 7:00-8:00 AM



Location: LA-110-S/B @ Slauson Ave Date/Time: 05-25-05 / 4:15-5:15 PM

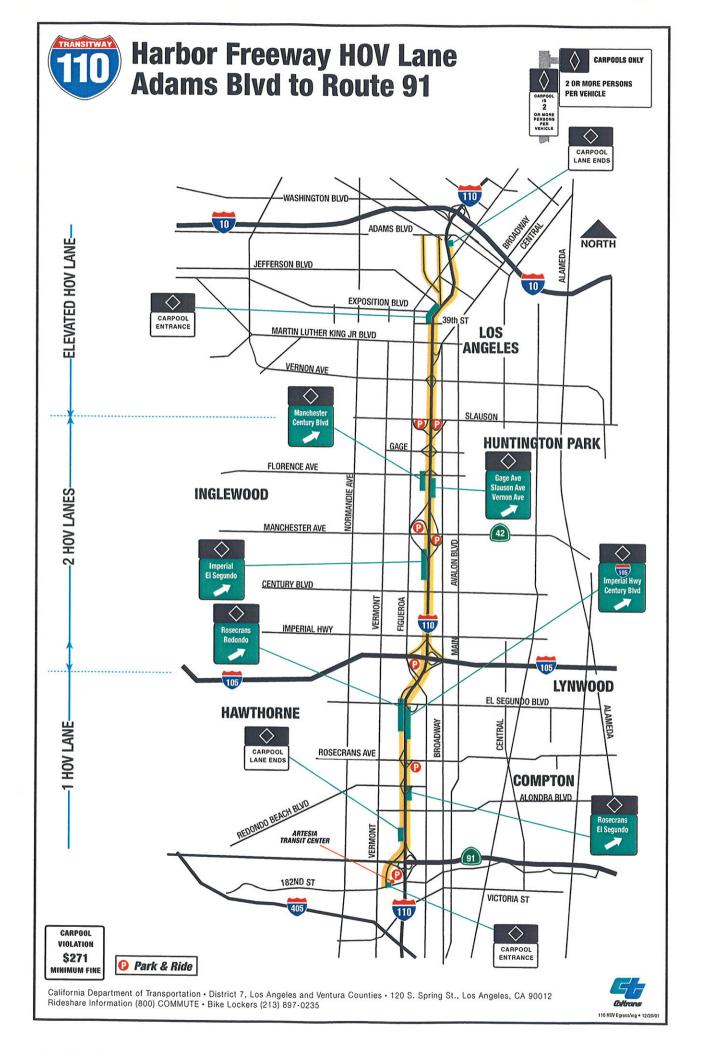
^{*} Two (2) HOV lanes at this location. Data shown represents volume on one (1) HOV lane

CALTRANS - DISTRICT 7 HOV Operation on Route 110

NOTE: Data shown represents volume on two (2) HOV lanes in each direction.

Co. Rte. Dir.	LA - 110 - NB	LA - 110 - SB
Location	SLAUSON	SLAUSON
Post Mile	17.98	17.98
Date	05/25/05	05/25/05
HOV Peak Hour	7:00 - 8:00 AM	16:15 - 17:15 PM
Occupancy Requirement	2 +	2 +
HOV VEHI	CLE SUMMARY	
Carpools	3357	2596
Vanpools	19	43
Buses	38	32
Motorcycles	46	57
HOV lane Violators	13	1
Total Vehicles in HOV Lane	3473	2729
Carpools Using Mainline	305	635
HOV Ped	ple Summary	
People in Carpool & Vanpools	7119	_. 5661
People in Buses	967	863
People on Motorcycles	46	57
Violators	13	1
Total HOV People	8145	6582
	e Summary	
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5250	6745
Mixed-Flow People	5610	7505
Mixed-Flow People/Lane	1403	1876
Trucks on Mainlines	134	108
	y Summary	
Total Mixed-Flow People	5610	7505
Total HOV People	8145	6582
Total Freeway People	13755	14087
Percent Carried in HOV Lane	59.21%	46.72%
Percent Carried per Mixed-Flow Lane	10.20%	13.32%
Occupancy		
HOV Occupancy	2.35	2.41
Mainline Occupancy	1.07	1.11
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	5.81	3.51
induction outly flow i copie	<u> </u>	3.31

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 5/31/2005 9:30 AM C:\CountData\LA 110 SLAUSON 5-25-05





ROUTE 118 RONALD REAGAN FREEWAY

Project Limits & Length:

FROM VENTURA CO. LINE TO RTE 5; 11.4 MILES

Date of Opening:

MARCH 7, 1997

Cost:

\$23.2 MILLION

Current Peak Hr Volume:

1303 VEHICLES @ RESEDA BLVD

Park & Ride Facilities:

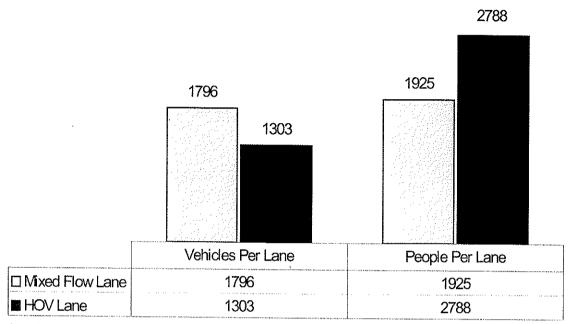
3 (PORTER RANCH and CHATSWORTH (2))

Number of Ingress/Egress:

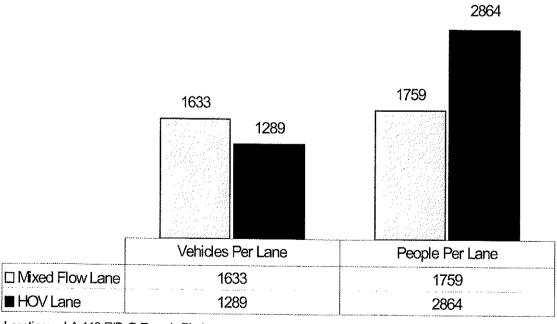
4 EASTBOUND & 5 WESTBOUND

Unique Features:

The construction of this HOV facility included the addition of another regular freeway lane as well. This facility has been open for 7 years, and the growth and change in traffic patterns has filled the additional regular lane and is accommodating over 1300 vehicles in the HOV lane.



Location: LA-118-W/B @ Reseda Blvd Date/Time: 10-26-04 / 7:00-8:00 AM



Location: LA-118-E/B @ Reseda Bivd Date/Time: 12-01-04 / 4:15-5:15 PM

CALTRANS - DISTRICT 7

HOV Operation on Route 118

Co. Rte. Dir.	LA - 118 - WB	LA - 118 - EB
Location	RESEDA	RESEDA
Post Mile	5.81	5.81
Date	10/26/04	12/01/04
HOV Peak Hour	7:00 - 8:00 AM	16:15 - 17:15 PM
Occupancy Requirement	2 +	2 +
HOV VEHI	CLE SUMMARY	
Carpools	1278	1245
Vanpools	13	25
Buses	3	4
Motorcycles	9	15
HOV lane Violators	0	3
Total Vehicles in HOV Lane	1303	1292
Carpools Using Mainline	460	450
HOV Pec	ple Summary	
People in Carpool & Vanpools	2758	2749
People in Buses	21	100
People on Motorcycles	9	15
Violators	0	3
Total HOV People	2788	2867
Mainlir	ne Summary	
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	7185	6530
Mixed-Flow People	7700	7035
Mixed-Flow People/Lane	1925	1759
Trucks on Mainlines	220	256
Freeway Summary		
Total Mixed-Flow People	7700	7035
Total HOV People	2788	2867
Total Freeway People	10488	9902
Percent Carried in HOV Lane	26.58%	28.95%
Percent Carried per Mixed-Flow Lane	18.35%	17.76%
Occupancy		
HOV Occupancy	2.14	2.22
Mainline Occupancy	1.07	1.08
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	1.45	1.63

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 12/21/2004 9:46 AM C:\CountData\LA 118 Reseda 10-26-04

Calbans District 7 Graphic Services - 118 HOVegree/ing - 4/16/2 NORTH CARPOOL Hayvenhurst Baiboa Bivd CARPOOL LANE ENDS SEPULVEDA RONALD REAGAN FREEWAY HOV LANE Ventura County line to Interstate 5 468 O to So Sect 2 New ingress / egress WOODLEY AVE Park & Ride Sepulveda 405 ТЗЯПНИЗУУАН OVJ8 AO8JA8 C CARPOOL VIOLATION \$271 Lo **3VA HASJ3S** St., California Department of Transportation • District 7, Los Augeles and Ventura Counties • 120 S. Spring Rideshare Information (800) COMMUTE • Bike Lockers (213) 897-0235 RESEDA BLVD Salboa Blvd **3VA A9MAT** СОВВІИ АУЕ PORTER RANCH DR WINNETKA AVE PLUMMER ST NOSAM **3VA OTOS 30** BLVD ADNA90T CARPOOLS ONLY 2 OR MORE PERSONS PER VEHICLE CARPOOL ROCKY PEAK RD CARPOOL LANE ENDS



ROUTE 134 VENTURA FREEWAY

Project Limits & Length: FROM ROUTE 101/170 TO ROUTE 5

FROM ROUTE 5 TO ROUTE 2 FROM ROUTE 2 TO ROUTE 210 5.1 MILES 4.2 MILES 3.6 MILES

Date of Opening: ROUTE 101/170 TO ROUTE 5

ROUTE 5 TO ROUTE 2 ROUTE 2 TO ROUTE 210 OCTOBER 2, 1995 MARCH 12, 1996 AUGUST 30, 1996

Cost:

ROUTE 101/170 TO ROUTE 5

ROUTE 5 TO ROUTE 2 ROUTE 2 TO ROUTE 210 \$6.6 MILLION \$5.0 MILLION \$7.8 MILLION

Current Peak Hr Volume:

998 VEHICLES @ JACKSON ST

Park & Ride Facilities:

2 (HARVEY and VENTURA)

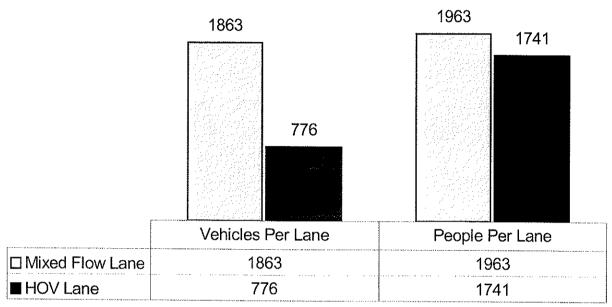
Number of Ingress/Egress:

ROUTE 101/170 TO ROUTE 5 ROUTE 5 TO ROUTE 2 ROUTE 2 TO ROUTE 210

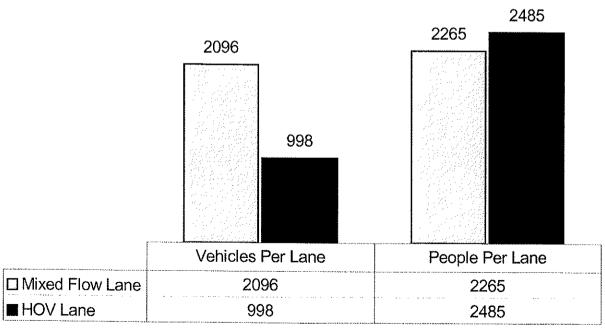
2 IN EACH DIRECITON 2 IN EACH DIRECTION 2 IN EACH DIRECTION

Unique Features:

HOV discontinuity at Route 5 due to connectors of Route 5 to Route 134; HOV lane would have ended up in the #3 lane of the 134 freeway. Therefore, it ends and starts again in the median after 0.8 miles.



Location: LA-134-W/B @ Jackson St. Date/Time: 12-15-04 / 7:15-8:15 AM

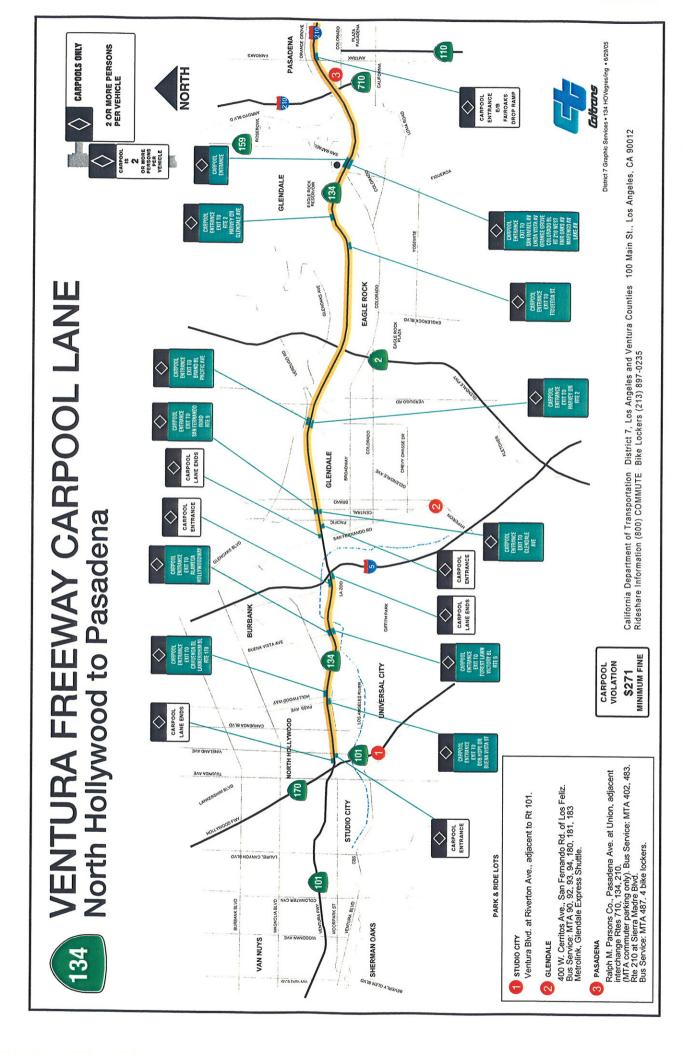


Location: LA-134-E/B @ Jackson St. Date/Time: 12-14-04 / 3:00-4:00 PM

HOV Operation on Route 134

Co. Rte. Dir.	LA - 134 - WB	LA - 134 - EB	
Location	JACKSON	JACKSON	
Post Mile	7.41		
Date	12/15/04	7.41 12/14/04	
HOV Peak Hour	7:15 - 8:15 AM	15:00 - 16:00 PM	
Occupancy Requirement	2 +	2 +	
	CLE SUMMARY	2 1	
Carpools	741	937	
Vanpools	8	32	
Buses	3	11	
Motorcycles	24	18	
HOV lane Violators	0	1	
Total Vehicles in HOV Lane	776	999	
Carpools Using Mainline	355	660	
HOV Ped	ple Summary		
People in Carpool & Vanpools	1636	2157	
People in Buses	81	310	
People on Motorcycles	24	18	
Violators	0	1	
Total HOV People	1741	2486	
	e Summary		
Mixed-Flow lanes	4	4	
Mixed-flow Vehicles	7450	8385	
Mixed-Flow People	7850	9060	
Mixed-Flow People/Lane	1963 2265		
Trucks on Mainlines	91	61	
	y Summary		
Total Mixed-Flow People	7850	9060	
Total HOV People	1741	2486	
Total Freeway People	9591 11546		
Percent Carried in HOV Lane	18.15%	21.53%	
Percent Carried per Mixed-Flow Lane	20.46%	19.62%	
Occupancy			
HOV Occupancy	2.24	2.49	
Mainline Occupancy	1.05	1.08	
Equivalent Number Mixed-flow Lanes			
Needed to carry HOV People	0.89	1.10	
*D1-1	0.00	1.10	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 12/16/2004 10:14 AM C:\CountData\LA 134 JACKSON 12-14-04





FACT SHEET

ROUTE 170 HOLLYWOOD FREEWAY EXTENSION

Project Limits & Length:

FROM ROUTE 101/134 TO ROUTE 5; 6.1 MILES

Date of Opening:

FEBUARY 11, 1996

Cost:

\$7.3 MILLION

Current Peak Hr Volume:

983 VEHICLES @ SHERMAN WAY

Park & Ride Facilities:

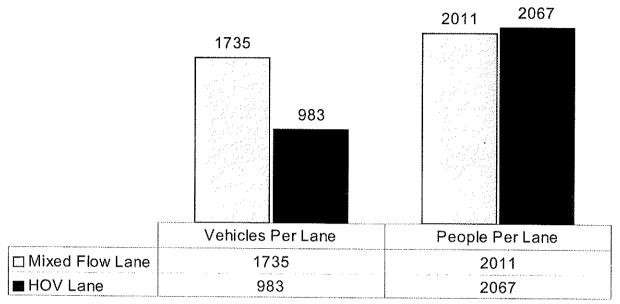
2 (OXNARD and VENTURA)

Number of Ingress/Egress:

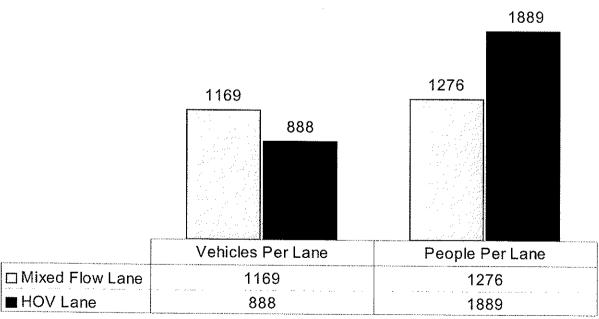
2 IN EACH DIRECTION

Unique Features:

Fast track HOV project.



Location: LA-170-S/B @ Sherman Way Date/Time: 12-14-04 / 6:45-7:45 AM



Location: LA-170-N/B @ Sherman Way Date/Time: 02-01-05 / 3:45-4:45 PM

HOV Operation on Route 170

Co. Rte. Dir.	LA - 170 - SB	1 A 470 ND	
Location	SHERMAN WAY	LA - 170 - NB	
Post Mile	18.27	SHERMAN WAY	
Date	12/14/04	18.27	
HOV Peak Hour		02/01/05	
Occupancy Requirement	6:45 - 7:45 AM	15:45 - 16:45 PM	
	LE SUMMARY	2 +	
Carpools	960	849	
Vanpools	8	19	
Buses	0	18	
Motorcycles	15	19	
HOV lane Violators	44	19	
Total Vehicles in HOV Lane	1027	889	
Carpools Using Mainline	975	390	
HOV People Summary			
People in Carpool & Vanpools	2052	1860	
People in Buses	0	10	
People on Motorcycles	15	19	
Violators	44	1	
Total HOV People	2111	1890	
Mainlin	e Summary		
Mixed-Flow lanes	4	4	
Mixed-flow Vehicles	6940	4675	
Mixed-Flow People	8045	5105	
Mixed-Flow People/Lane	2011	1276	
Freeway	/ Summary		
Total Mixed-Flow People	8045	5105	
Total HOV People	2111	1890	
Total Freeway People	10156	6995	
Percent Carried in HOV Lane	20.79%	27.02%	
Percent Carried per Mixed-Flow Lane	19.80%	18.25%	
Occupancy			
HOV Occupancy	2.06	2.13	
Mainline Occupancy	1.16	1.09	
Equivalent Number Mixed-flow Lanes			
Needed to carry HOV People	1.05	1.48	
*Deal-leaves		1.10	

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

HOLLYWOOD FREEWAY CARPOOL LANE Sun Valley to Studio City CARPOOLS ONLY \Diamond 2 OR MORE PERSONS PER VEHICLE ARLETA CARPOOL LANE ENDS SUN VALLEY \Diamond CARPOOL CARPOOL * CARPOOL EXIT TO BURBANK BL IAGNOLIA BL IVERSIDE DR RTE 134 NORTH HOLLYWOOD VAN NUYS 0 \Diamond CARPOOL (101)· STUDIO CITY [101] Park & Ride Lots \Diamond CARPOOL LANE ENDS 12000 Oxnard St. NORTH 7720 Van Nuys Blvd. MTA 163, 167, 169, 420, 560 Metrolink CARPOOL VIOLATION \$271 MINIMUM FINE Ventura Blvd @ Riverton Ave. * Count Location California Department of Transportation * District 7, Los Angeles and Ventura Counties * 120 S. Spring St., Los Angeles, CA 90012 Rideshare Information (800) COMMUTE * Bike Lockers (213) 897-0235

District 7 Graphic Services •170 Ingress.fh10 •5/11/02



FACT SHEET

ROUTE 210 FOOTHILL FREEWAY

PROJECT LIMITS & LENGTH: FROM ROUTE 134 TO SUNFLOWER AVE

FROM SUNFLOWER AVE TO FOOTHILL BLVD

2.3 MILES FROM FOOTHILL BLVD TO SBD COUNTY LINE 6.0 MILES

18.5 MILES

DEC 16, 1993

SEP 08, 1997

NOV 24, 2002

\$8.9 MILLION

\$7.0 MILLION

\$91.0 MILLION

Date of Opening: FROM ROUTE 134 TO SUNFLOWER AVE

FROM SUNFLOWER AVE TO FOOTHILL BLVD

FROM FOOTHILL BLVD TO SBD COUNTY LINE

FROM ROUTE 134 TO SUNFLOWER AVE

FROM SUNFLOWER AVE TO FOOTHILL BLVD

FROM FOOTHILL BLVD TO SBD COUNTY LINE

1655 VEHICLES @ SECOND ST

Park & Ride Facilities: 5 (SAN GABRIEL/SIERRA MADRE, FOOTHILL/SANTA ANITA,

MYRTLE, BASELINE RD, AND LONE HILL)

Number of Ingress/Egress: 14 IN EACH DIRECTION

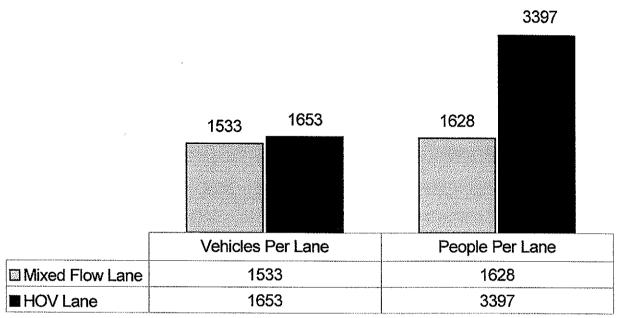
Unique Features:

Current Peak Hr Volume:

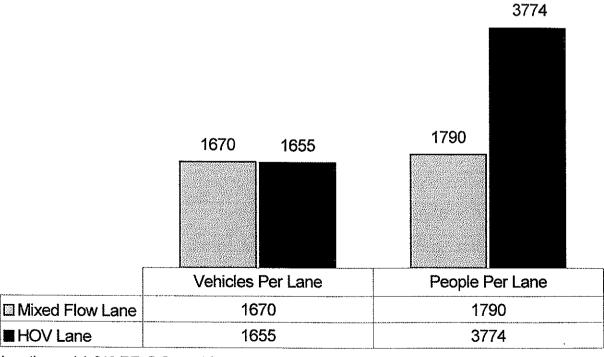
Cost:

The 210 Freeway was built within the last two decades. The HOV project was built in 1994. Construction of HOV started as use of the existing median shoulder, but project required removal of shoulder and construction of structural section in the median. Several design features were tested as to start and end of the HOV's, and a direct drop ramp from a city street in Pasadena. The HOV drop ramp at Fair Oaks Avenue was opened on May 30, 1996.

Completion and opening of 14 miles of the new Foothill Freeway (SR-210) between Foothill Boulevard (County of Los Angeles) and Day Creek Boulevard (County of San Bernardino) to connect with six-mile section of the freeway that opened in August 2001 from Day Creek Boulevard to Sierra Avenue. The new freeway segment provides additional freeway capacity and an alternate east/west route for commuters. The project constructed eight lanes of freeway (three mixed-flow lanes and one High Occupancy Vehicle (HOV) lane in each direction) with space for future widening in the median. This new freeway segment connects with I-15, the direct route to Las Vegas.



Location: LA-210-W/B @ Second St. Date/Time: 12-09-04 / 6:30-7:30 AM



Location: LA-210-E/B @ Second St. Date/Time: 02-23-05 / 3:45-4:45 PM

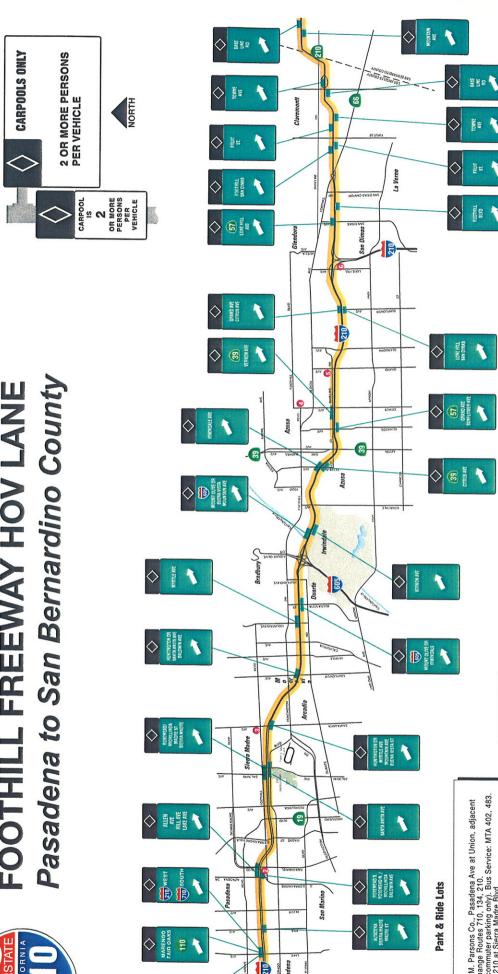
HOV Operation on Route 210

Co. Rte. Dir.	LA - 210 - WB	LA - 210 - EB
Location	2nd ST.	2nd ST.
Post Mile	39.12	39.12
Date	12/09/04	02/23/05
HOV Peak Hour	6:30 - 7:30 AM	15:45 - 16:45 PM
Occupancy Requirement	2 +	2 +
HOV VEHI	CLE SUMMARY	
Carpools	1594	1606
Vanpools	13	33
Buses	1	5
Motorcycles	45	11
HOV lane Violators	10	7
Total Vehicles in HOV Lane	1663	1662
Carpools Using Mainline	335	385
HOV Ped	pple Summary	
People in Carpool & Vanpools	3351	3583
People in Buses	1	180
People on Motorcycles	45	11
Violators	10	7
Total HOV People	3407	3781
	ne Summary	
Mixed-Flow lanes	4	٠ 4
Mixed-flow Vehicles	6130	6680
Mixed-Flow People	6510	7160
Mixed-Flow People/Lane	1628 1790	
Trucks on Mainlines	290	262
	ny Summary	
Total Mixed-Flow People	6510	7160
Total HOV People	3407	3781
Total Freeway People	9917	10941
Percent Carried in HOV Lane	34.36%	34.56%
Percent Carried per Mixed-Flow Lane	16.41%	16.36%
Occupancy		
HOV Occupancy	2.05	2.27
Mainline Occupancy	1.06	1.07
Equivalent Number Mixed-flow Lanes		
Needed to carry HOV People	2.09	2.11
*Peak hours are based on the following neak		

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 3/7/2005 10:41 AM C:\CountData\LA 210 2nd 12-9-04



FOOTHILL FREEWAY HOV LANE



Raiph M. Parsons Co., Pasadena Ave at Union, adjacent interchange Routes 710, 184, 210.

(MTA commuter parking only), Bus Service: MTA 402, 483. Route 210 at Sierra Madre Bivs.

Bus Service: MTA 487, 4 bike lockers.

Emmanuel Assembly of God Church, 23 West Foothill Blvd.
Bus Service: MTA 491.
Glendora Citrus College, Foothill Blvd. and Citrus Ave.
Citrus College, Foothill Blvd. and Citrus Ave.
Bus Service: MIA 187. 247. Frt 488.
C28 West Baseline at Grand Ave adjacent 1-210.
Bus Service: FT 690. 8 bike lockers.
1000 South Lone Hill Ave at 1-210.
Bus Service: FT 690. 0

MINIMUM FINE CARPOOL \$271

California Department of Transportation District 7, Los Angeles and Ventura Counties 120 S. Spring St., Los Angeles, CA 90012





FACT SHEET

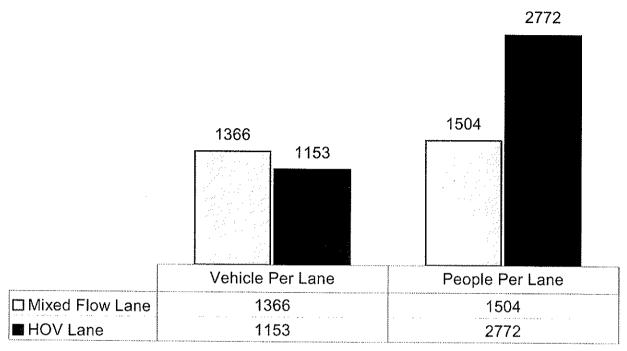
ROUTE 405 SAN DIEGO FREEWAY

Project Limits & Length:	FROM BELLFLOWER BLVD TO ROUT FROM ROUTE 110 TO 120 TH STREET FROM 120 TH STREET TO CENTURY E FROM ROUTE 101 TO ROUTE 5 FROM ORA CO LINE TO ROUTE 710 FROM ROUTE 710 TO ROUTE 110 FROM WATERFORD TO RTE 101 S/B	BLVD	2.2 MILES 7.7 MILES 2.0 MILES 10.1 MILES 7.6 MILES 6.1 MILES 7.8 MILES
Date of Opening:	FROM BELLFLOWER BLVD TO ROUT FROM ROUTE 110 TO 120 TH STREET FROM 120 TH STREET TO CENTURY E FROM ROUTE 101 TO ROUTE 5 FROM ORA CO LINE TO ROUTE 710 FROM ROUTE 710 TO ROUTE 110 FROM WATERFORD TO RTE 101 S/B	BLVD	OCT 02, 1993 APR 08, 1993 JAN 1994 OCT 22, 1996 FEB 12, 1998 OCT 08, 1998 JAN 08, 2002
Cost:	FROM BELLFLOWER BLVD TO ROUT FROM ROUTE 110 TO 120 TH STREET FROM ROUTE 101 TO ROUTE 5 FROM ORA CO LINE TO ROUTE 710 FROM ROUTE 710 TO ROUTE 110 FROM WATERFORD TO RTE 101 S/B		\$ 4.8 MILLION \$ 8.3 MILLION \$15.1 MILLION \$29.7 MILLION \$28.2 MILLION \$15.3 MILLION
Current Peak Hr Volume:	1564 VEHICLES @ TEMPLE		
Park & Ride Facilities:	12 (CHATSWORTH (2), SKIRBALL CE EL SEGUNDO, MARINE, KINGSDA WARDLOW, LONG BEACH, and BI	LE, VERMONT/	AL, AVIATION, 182 nd ,
Number of Ingress/Egress:	FROM ROUTE 105 TO ROUTE 110 FROM ROUTE 5 TO ROUTE 101 FROM ORA CO LINE TO RT 710 FROM ROUTE 710 TO ROUTE 110 FROM ROUTE 101 TO WATERFORD	4 IN EACH DIR 3 N/B, 4 S/B 4 IN EACH DIR 2 IN EACH DIR 4 S/B ONLY	ECTION

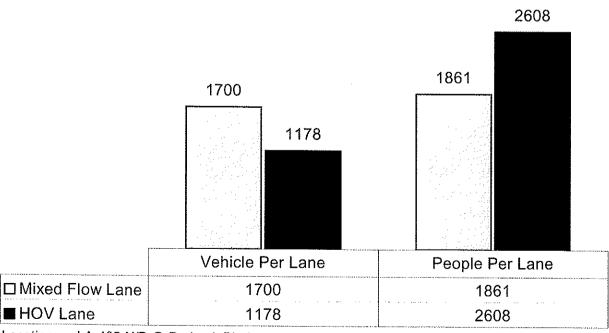
Unique Features:

The HOV facility between 120th Street to Route 110 was opened initially with one ingress/egress location. Two more ingress/egress were approved and constructed in each direction later.

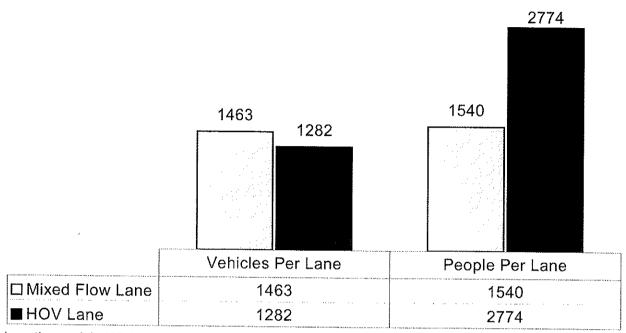
The HOV extension from Route 105 to 120th Street was accomplished by a signing and striping CCO to the Route 105 construction project.



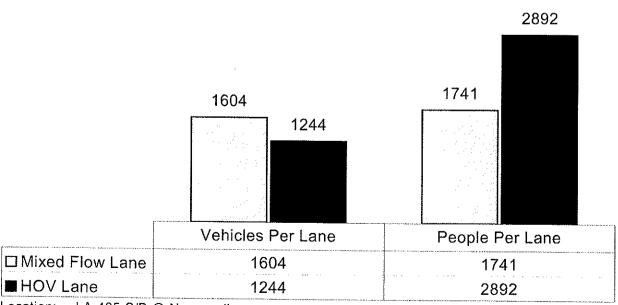
Location: LA-405-S/B @ Burbank Blvd Date/Time: 02-15-05 / 6:30-7:30 AM



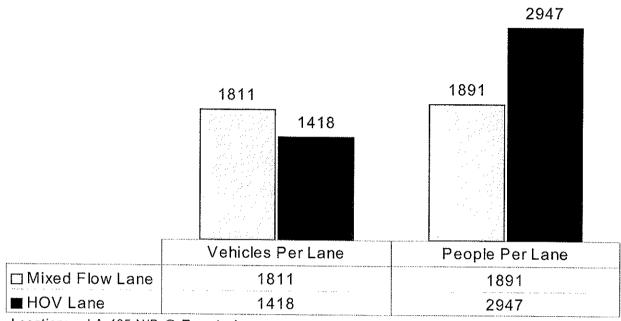
Location: LA-405-N/B @ Burbank Blvd Date/Time: 02-16-05 / 4:15-5:15 PM



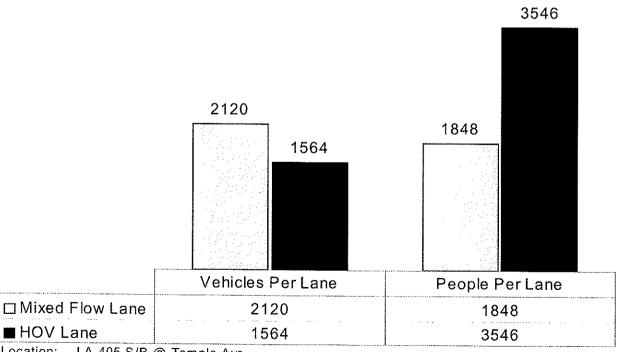
Location: LA-405-N/B @ Normandie Date/Time: 03-17-05 / 7:00-8:00 AM



Location: LA-405-S/B @ Normandie Date/Time: 03-16-05 / 4:00-5:00 PM



Location: LA-405-N/B @ Temple Ave. Date/Time: 03-22-05 / 6:45-7:45 AM



Location: LA-405-S/B @ Temple Ave. Date/Time: 03-09-05 / 4:15-5:15 PM

HOV Operation on Route 405

Co. Rte. Dir.	ΙΔ 405 SB	LA 406 ND	
Location	LA - 405 - SB LA - 405 - BURBANK BURBAN		
Post Mile	BURBANK BURBANI 40.28 40.27		
Date	02/15/05	02/16/05	
HOV Peak Hour	6:30 - 7:30 AM	16:15 - 17:15 PM	
Occupancy Requirement	2 +	2 +	
	CLE SUMMARY	2 .	
Carpools	1093	1119	
Vanpools	33	41	
Buses	7	1	
Motorcycles	20	17	
HOV lane Violators	2	6	
Total Vehicles in HOV Lane	1155	1184	
Carpools Using Mainline	470	570	
HOV Ped	ple Summary		
People in Carpool & Vanpools	2492	2581	
People in Buses	260	10	
People on Motorcycles	20	. 17	
Violators	2	6	
Total HOV People	2774	2614	
	e Summary		
Mixed-Flow lanes	4	4	
Mixed-flow Vehicles	5465	6800	
Mixed-Flow People	6015	7445	
Mixed-Flow People/Lane	1504	1861	
Trucks on Mainlines	125	139	
	y Summary		
Total Mixed-Flow People	6015	7445	
Total HOV People	2774	2614	
Total Freeway People	8789	10059	
Percent Carried in HOV Lane	31.56%	25.99%	
Percent Carried per Mixed-Flow Lane	17.11%	18.50%	
	Occupancy		
HOV Occupancy	2.40	2.21	
Mainline Occupancy	1.10	1.09	
Equivalent Number Mixed-flow Lanes			
Needed to carry HOV People	1.84	1.40	
*Dealthanna and	1.01	1.70	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 2/17/2005 10:35 AM C:\CountData\LA 405 BURBANK 2-15-05

HOV Operation on Route 405

Co. Rte. Dir.	LA - 405 - NB	LA - 405 - SB	
Location	NORMANDIE	NORMANDIE	
Post Mile	13.81	13.81	
Date	03/17/05	03/16/05	
HOV Peak Hour	7:00 - 8:00 AM	16:00 - 17:00 PM	
Occupancy Requirement	2 +	2 +	
HOV VEHI	CLE SUMMARY		
Carpools	1207	1127	
Vanpools	34	75	
Buses	1	3	
Motorcycles	40	39	
HOV lane Violators	1	6	
Total Vehicles in HOV Lane	1283	1250	
Carpools Using Mainline	280	465	
HOV Ped	ple Summary		
People in Carpool & Vanpools	2694	2832	
People in Buses	40	21	
People on Motorcycles	40	39	
Violators	1	6	
Total HOV People	2775	2898	
	ne Summary		
Mixed-Flow lanes	4	4	
Mixed-flow Vehicles	5850	6415	
Mixed-Flow People	6160	6965	
Mixed-Flow People/Lane	1540	1741	
Trucks on Mainlines	174	112	
Freewa	y Summary		
Total Mixed-Flow People	6160	6965	
Total HOV People	2775	2898	
Total Freeway People	8935	9863	
Percent Carried in HOV Lane	31.06%	29.38%	
Percent Carried per Mixed-Flow Lane	17.24%	17.65%	
Occupancy			
HOV Occupancy	2.16	2.32	
Mainline Occupancy	1.05	1.09	
Equivalent Number Mixed-flow Lanes			
Needed to carry HOV People	1.80	1.66	
*D== -			

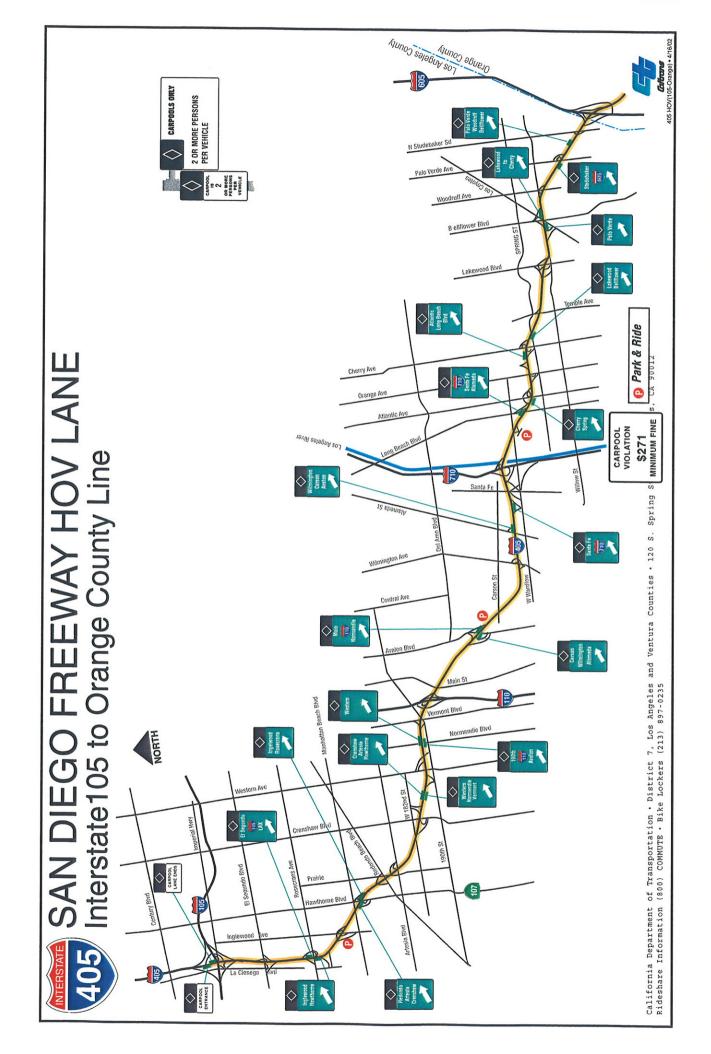
^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 3/21/2005 10:28 AM C:\CountData\LA 405 NORMANDIE 3-16-05

HOV Operation on Route 405

Co. Rte. Dir.	LA - 405 - NB	LA - 405 - SB	
Location	TEMPLE	TEMPLE	
Post Mile	4.33	4.33	
Date	03/22/05	03/09/05	
HOV Peak Hour	6:45 - 7:45 AM	16:15 - 17:15 PM	
Occupancy Requirement	2 +	2 +	
HOV VEHI	CLE SUMMARY		
Carpools	1374	1450	
Vanpools	22	56	
Buses	0	5	
Motorcycles	22	53	
HOV lane Violators	8	6	
Total Vehicles in HOV Lane	1426	1570	
Carpools Using Mainline	275	582	
HOV Ped	ople Summary		
People in Carpool & Vanpools	2925	3362	
People in Buses	0	131	
People on Motorcycles	22	53	
Violators	8	6	
Total HOV People	2955	3552	
Mainline Summary			
Mixed-Flow lanes	4	5	
Mixed-flow Vehicles	7245	8478	
Mixed-Flow People	7565	9240	
Mixed-Flow People/Lane	1891	1848	
Trucks on Mainlines	122	141	
Freewa	ay Summary		
Total Mixed-Flow People	7565	9240	
Total HOV People	2955	3552	
Total Freeway People	10520	12792	
Percent Carried in HOV Lane	28.09%	27.77%	
Percent Carried per Mixed-Flow Lane	17.98%	14.45%	
Occupancy			
HOV Occupancy	2.07	2.26	
Mainline Occupancy	1.04	1.09	
Equivalent Number Mixed-flow Lanes			
Needed to carry HOV People	1.56	1.92	
	1.00	1.04	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30. 4/8/2005 10:20 AM C:\CountData\LA 405 TEMPLE 3-9-05







FACT SHEET

ROUTE 605 SAN GABRIEL RIVER FREEWAY

Project Limits & Length: FROM SOUTH ST. TO TELEGRAPH RD

FROM TELEGRAPH RD TO ROUTE 10 FROM ORA. CO. LINE TO SOUTH ST.

9.9 MILES 3.8 MILES

7.0 MILES

Date of Opening:

FROM SOUTH ST. TO TELEGRAPH RD FROM TELEGRAPH RD TO ROUTE 10

APR 2, 1997 APR 3, 1998

FROM ORA. CO. LINE TO SOUTH ST.

MARCH 2001

Cost:

FROM SOUTH ST. TO TELEGRAPH RD FROM TELEGRAPH RD TO ROUTE 10 FROM ORA. CO. LINE TO SOUTH ST.

\$14.1 MILLION \$17.3 MILLION \$12.4 MILLION

Current Peak Hr Volume:

1883 VEHICLES @ BEVERLY BLVD

Park & Ride Facilities:

2 (HOXIE and DURFEE)

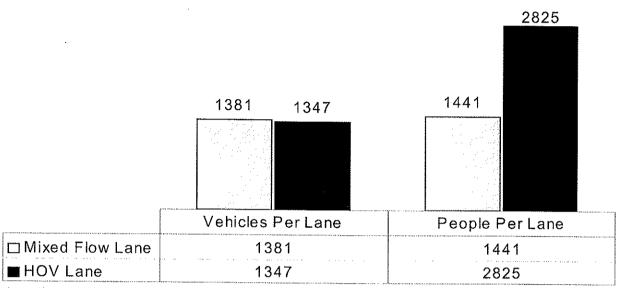
Number of Ingress/Egress:

FROM ORA. CO. LINE TO TELEGRAPH RD FROM TELEGRAPH RD TO ROUTE 10

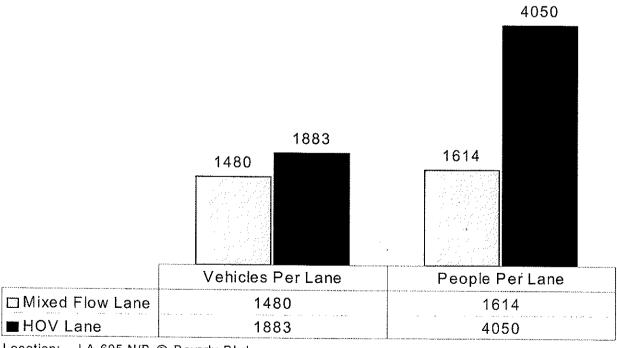
4 S/B, 4 N/B

6 S/B, 5 N/B

Unique Features:



Location: LA-605-S/B @ Beverly Blvd. Date/Time: 03-29-05 / 6:30-7:30 AM



Location: LA-605-N/B @ Beverly Blvd. Date/Time: 04-07-05 / 4:30-5:30 PM

HOV Operation on Route 605

Co. Rte. Dir.	LA - 605 - SB	LA - 605 - NB	
Location	BEVERLY	BEVERLY	
Post Mile	14.41	14.41	
Date	03/29/05	04/07/05	
HOV Peak Hour	6:30 - 7:30 AM	16:30 - 17:30 PM	
Occupancy Requirement	2 +	2 +	
HOV VEHI	CLE SUMMARY	-	
Carpools	1311	1812	
Vanpools	4	24	
Buses	5	4	
Motorcycles	27	43	
HOV lane Violators	13	1	
Total Vehicles in HOV Lane	1360	1884	
Carpools Using Mainline	220	460	
	ple Summary		
People in Carpool & Vanpools	2736	3927	
People in Buses	62	80	
People on Motorcycles	27	43	
Violators	13	1	
Total HOV People	2838	4051	
Mainline Summary			
Mixed-Flow lanes	4	4	
Mixed-flow Vehicles	5525	5920	
Mixed-Flow People	5765	6455	
Mixed-Flow People/Lane	1441	1614	
Trucks on Mainlines	485	341	
	y Summary		
Total Mixed-Flow People	5765	6455	
Total HOV People	2838	4051	
Total Freeway People	8603	10506	
Percent Carried in HOV Lane	32.99%	38.56%	
Percent Carried per Mixed-Flow Lane	16.75%	15.36%	
Occupancy			
HOV Occupancy	2.09	2.15	
Mainline Occupancy	1.04	1.09	
Equivalent Number Mixed-flow Lanes			
Needed to carry HOV People	1.97	2.54	
*Peak hours are based on the following as all	1.37	2.51	

^{*}Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.
4/8/2005 11:08 AM C:\CountData\LA 605 BEVERLY 3-29-05

